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Ferments
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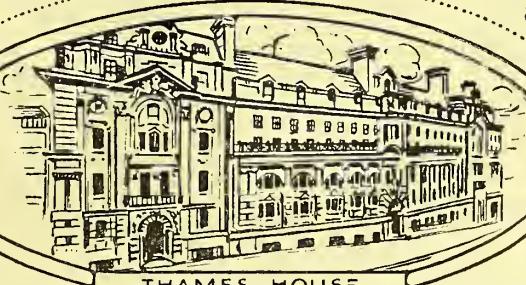
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Quinine Ethyl Carbonate
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Salicylate of Soda
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THAMES HOUSE.



John Knight, Limited

The Tenth Annual Ordinary General Meeting of this Company was held in London on Feb. 9, 1917, Mr. John Wilson Hope (Chairman & Managing Director) presiding. In moving the adoption of the Report and Accounts,

He said:—I think it probable that the shareholders will be pleased to know that although the works have suffered to a considerable extent none of the plant or machinery has been seriously damaged; and although we have to deplore the loss of several lives amongst our workpeople, and injuries of a more or less serious nature to others, I am pleased to be able to assure the shareholders that the spirit of our employees throughout enabled us forthwith to make the necessary arrangements for the almost uninterrupted working of the factory and the carrying on of the business as usual. We have, of course, extended to those of our people who have suffered that consideration and help which I know the shareholders would willingly sanction. (Hear, hear.)

Great credit is due to our staff and employees for the manner in which they rose to the occasion. Our different departments being lighted principally by roof lights, very large quantities of glass were brought down, exposing these departments to the weather, but by the Monday following temporary covering was provided and work resumed in most of the departments on that day, and completely resumed on the following Tuesday. Our head offices were rendered practically uninhabitable, but we were fortunate in securing two large offices in the basement of the building in which our City office is situated, and the staff moved in on the Monday and were all at work as usual on the Tuesday. It has, of course, been an anxious time for us all, but it has afforded us an opportunity of appreciating the grit of our employees generally, both men and women, and we consider ourselves very fortunate in having escaped worse damages.

THE BALANCE-SHEET,

As is our usual practice, the balance-sheet has been prepared in as simple a form as possible, and, I think, tells its own tale, but you may possibly desire a little information on some of the items. On the debit side you will find under the heading of Investment Depreciation Reserve the sum of £14,000, from which, however, has to be deducted the actual depreciation in investments as at November 30, amounting to £6,735, leaving what is really an addition to the reserve fund, £7,215. Our depreciation account has again been swelled to the extent of £7,813, making a total of £42,972 10s., but from this has to be deducted a sum representing dismantled plant which has been disposed of. On the credit side there will be noticed a reduction which reduces the amount of goodwill, freehold lands, buildings, plant, machinery, &c., by £5,750, and in connection with the amount standing in the name of goodwill it will be satisfactory to you to notice that the total amount of dividend for the year is only £10,000 short of that item. I think I may safely say that the value of our goodwill has increased very substantially during the past ten years. (Hear, hear.) You will notice that this is our tenth balance-sheet, and is one of the strongest we have been able to produce.

THE PROFIT.

The profit this year is practically the same as last, but I think we may claim that, strong though our financial position appeared to be from last year's balance-sheet, it has been further strengthened during the year under review. The liquid assets alone amount to more than the Ordinary share capital of the Company, and I think this will be assessed by the shareholders at its true value. We have been able without in any way inconveniencing the finance of our business to invest a substantial sum in the new War Loan. (Hear, hear.) The actual amount, including the

investments of your directors, staff and employees, amounts to £105,000, more than the half of which is new money. But for the excess profits duty it would have been possible for your directors to propose an increased dividend, but I feel sure that none of our shareholders will grudge in the least the part they are playing and the sacrifice they are making in support of the national funds necessary to back up our gallant men in the trenches and our brave fellows in the Navy. (Hear, hear.)

PROGRESS OF THE BUSINESS.

Although the value of raw materials have materially appreciated in cost, the Government, in order to secure the largest production of glycerine possible, and to protect soapmakers against foreign competition in soaps, prohibited the importation of soaps to the United Kingdom, thus making it easy for the soapmakers to protect themselves against the increase in the cost of raw materials, by increasing the price of soap. Soap is one of the few articles that has not been advanced materially in price since the war began; and but for the almost incredible impossibility to bring about an agreement amongst some of the leading firms as to fixing a minimum price for soap the trade would not have been in its present unsatisfactory condition. The relative position of the markets for raw materials and the price of soap is that an advance of slightly over 60 per cent. in the price of raw materials has taken place, whereas soap has only been advanced 12½ per cent. Our balance-sheet must not be taken as a criterion of the prosperity of the soap trade. As I think I explained last year, soap now only forms one branch of our business; there are many others, and we have been able to make up the shrinkage in soap profits by increases in certain other departments. It is, however, probable that in the near future a substantial advance in the price of soaps will have to be made, and as we are presently engaged in the extension of plant, we will necessarily have an increased production of soap, and are looking forward to such a regulation of the price as will return a fair profit to all makers.

OIL MILLS—WOMEN'S WORK.

In connection with the production of raw materials, I should like to point out that we were fortunate in securing supplies of oil seeds which, notwithstanding transport difficulties, have been to a large extent landed in our warehouses, and had we been able to run our oil mills at their full capacity, we should have secured a very substantial addition to our profits, satisfactory as they are.

Early last year I was asked by the war badge department of the Ministry of Munitions to censor the applications for war service badges in six different trades connected with the oil and soap industries, and having experienced great difficulties in carrying on our usual manufacture through the lack of man labour, owing very largely to the depletion of our ranks by men joining the Army, we as a firm made an endeavour to see how far woman labour could take the place of that of our brave men who had gone to the Front; and in every department of the works we have, thanks to the splendid efforts of women and girls, been able to replace these men with satisfaction to ourselves as well as to the workers. The Ministry of Munitions sent inspectors, both male and female, on several occasions to satisfy themselves that our trial worked out satisfactorily both as regards health conditions and the ability of women to perform their duties. They were so satisfied that they sent round circulars to all the different trades in which we are interested, inviting other manufacturers to do likewise, and it is a great pleasure to me to be able to say that many

Annual Report.

of these manufacturers have told me that they would not have believed it possible for women to perform the duties they are now doing in a large number of works throughout the country. In our oil mills, women are working night and day, and as the work in oil mills is of the most trying description, I think it is due to these women to say how much we appreciate their patriotic action. (Hear, hear.)

While on this subject I should like to add that but for the assistance of female labour throughout the works, and I should add last, but not least, the offices, it would have been quite impossible for us to have carried on as we have done during the year under review. Every credit is due and every consideration will be given by us in future to our women workers of all grades. (Hear, hear.)

CENTENARY OF THE BUSINESS.

Some of those present may have overlooked the fact that this is our centenary year, and we are pleased to welcome amongst us to-day a gentleman who used to preside at these meetings, and whom we hope will be present at many other meetings, viz., Mr. Duncan Knight, the eldest grandson of the late John Knight, the founder of the business. (Cheers.)

In 1817 the business was born under the fatherhood of the late Mr. John Knight, and while under other circumstances we would doubtless have celebrated the occasion in such a manner as such an event justifies, we are hoping that before the end of our centenary year Prussianism will have been definitely crushed (hear, hear) and we shall be able to still celebrate the birth of Primrose Soap, which, by the way, I am credibly told was the first pure household soap ever made in this country, and has been supplied by us regularly to the Royal laundries and household for considerably over 50 years. You may be interested to know that the name given by the late John Knight to his pure soap, viz., "Primrose," could not in those days be registered, with the result that as time went on a very large number of imitators used the same word "Primrose," and it was only after we had been supplying the Royal laundries for about 40 years that we asked for and obtained not only the Royal Warrant, but the gracious sanction of his then Majesty King Edward to christen the soap "The Royal Primrose Soap." This is now for us a most valuable trademark, and our intention is that by maintaining its absolute equal and pure quality it shall remain our leading line. (Hear, hear.)

THE WAR LOAN.

I have already referred to the investment made by the Company, by your directors, the staff, and the employees, in the new War Loan, and after the very telling appeal made by the Prime Minister last week at Caxnarrow, it seems almost unnecessary to emphasize that appeal, and I certainly would not under ordinary circumstances venture to do so. The situation, however, is of such a critical nature, and so much depends upon the necessary sinews of war being freely supplied for the support of those who are undergoing such hardships and privations, who are sacrificing their lives and their limbs for the protection of those who are still enjoying the liberty of life in what has been well stated by the Prime Minister "without any material hardship," that I venture to appeal to every shareholder of John Knight (Limited) to support to the best of his or her ability the Victory War Loan, the effect of which will, according to the best authorities, materially assist in giving the knockout blow to that nation of barbarians who have devastated the homes of Belgium, France, Serbia, Poland and Rumania, and who would do the like here but for the gallant resistance of our Army and Navy. (Cheers.)

The resolution was seconded by the Deputy Chairman (Mr. Samuel Barnett) and unanimously agreed to, as well as the dividend proposals. Votes of thanks to the Chairman and Directors terminated the proceedings.

Given that we succeed in forcing the Hun to bite the dust at an early date—and I personally entertain no fears on this subject—we will enter upon, in my opinion, a period of such prosperity as this country has never known, always provided that our Government will take such means as will protect our industries and render it impossible for the foreigner to compete with British manufacturers in the supply of the manufactured goods required within the Empire. (Cheers.)

AFTER THE WAR PROBLEMS.

We often hear people say "What is to become of our brave fellows when they return in the hope of resuming the position they left in order to fight for us; how is work to be provided for them, and what about those who have filled the breach during their absence?" Personally I have no fear whatever for the future in this respect, provided we re-organize ourselves in time, and to my mind the clear course open to all manufacturers in this country—and I hope the Government will enforce it—is to adopt an eight hours day. (Hear, hear.) Few of us at the present time have adopted the eight hours day, and in many factories where the works are run day and night, 24 hours are worked by two shifts. In many more factories or branches of factories who do not work day and night, the working day extends to 10½ hours. Every manufacturer knows that one of the biggest items in the cost of production is that of establishment or standing expenses, and by increased output these standing expenses per ton can be materially reduced; therefore, if the Government will consent to legalize an eight-hour day all round, and we keep our wheels running from one week's end to the other by means of three shifts per day of 24 hours, it is obvious that without any material addition to machinery or plant, the output in the majority of cases can be at least doubled. Employment will in many cases be trebled, thus providing continuity of work for all those who have hitherto looked upon themselves as substitutes, and for all our brave men when they return to their peaceful occupations. This plan at any rate, after due consideration by your board, we have decided to adopt as soon as practicable, and we hope that many firms will voluntarily do the same.

PROFIT SHARING.

Another matter which I think calls for Government action is that of profit sharing. You are doubtless aware that our profit sharing scheme, the first to be tried in our particular trade, has been in operation during the past twelve years, and while it is looked upon by many as a generous scheme, I personally feel, and I know my co-directors agree, that a much more generous share of profit should be extended to the workers. In my experience it is the employers who offer the most serious objections to adopting profit-sharing schemes, and no great advance appears likely to take place in the direction indicated unless some system of profit-sharing is enacted by Parliament. Employers have now got accustomed to the exactions of the Excess Profits Tax, and of the Ministry of Munitions Act, whereby at least 60 per cent. of that excess profit goes to the Government. If, when the necessity for these taxes comes to an end, the Government with its existing machinery will divide between the employees and the employers that 60 per cent., it will in my humble opinion go a long way towards satisfying the demands of labour and of honest trade unions, who will see to it I hope that no diminution in the standard wages of any trade in any district is interfered with by the advent of a universal profit-sharing scheme.

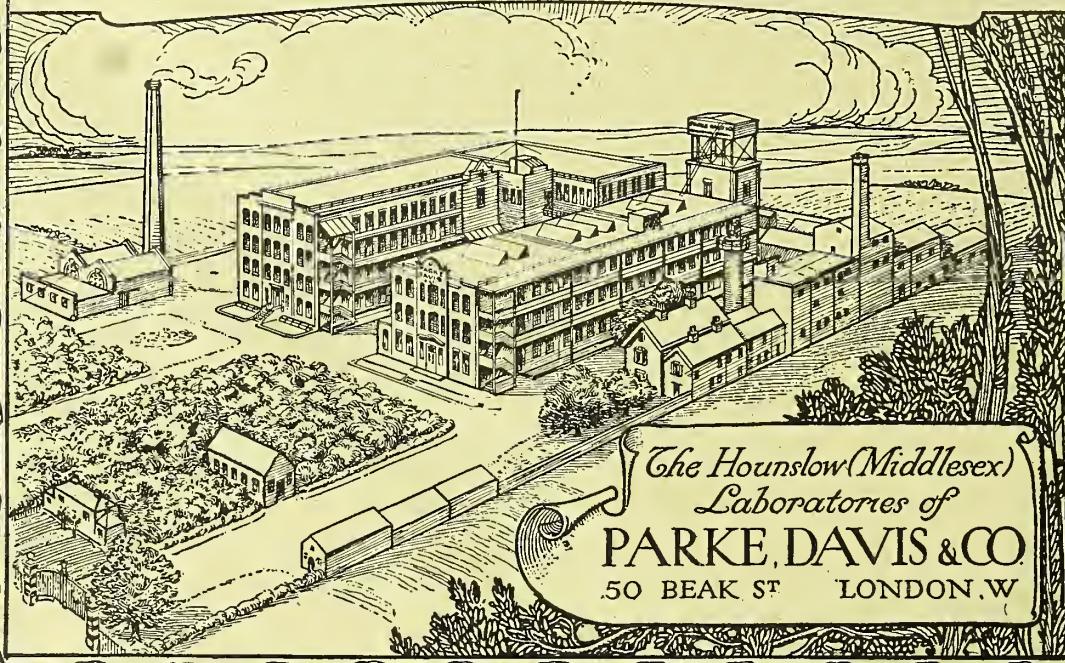
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PIERSON, MORRELL & CO., Contractors to the War Office, NEW BARNET.		NEWBERRY, F., & SON, Ltd., Druggists' Sundries	23	WRIGHT, S., & CO., Medical Bottles	xxiv
PIERSON, MORRELL & CO., Contractors to the War Office, NEW BARNET.		NICHOLS CHEMICAL CO., Ltd., Precipitated Chalk	xii		

ASPIRIN

(P., M. & Co.)

More than fulfils the requirements of the British Pharmacopœia as to Melting-Point and freedom from Salicylic Acid. Perfect in appearance.
Packed for dispensing in 1 oz. boxes at 1/6, and 4 oz. at 5/-.

ASPIRIN TABLETS.

Containing 5 grains of Aspirin (P., M. & Co.) in each.

INQUIRIES INVITED from large and small buyers for Aspirin in bulk or tablets.

PIERSON, MORRELL & CO.,

Contractors to the War Office,

NEW BARNET.

Ought Sanatogen

Important Announcement by Genatosan Limited

(The British Purchasers of the Sanatogen Company.)

NOW that Sanatogen is selling so well, it would surely be a mistake on your part to change the name."

Such is the tenor of various letters which we have received from retail pharmacists; and the matter is so important, both to the Trade and ourselves, that we should like to discuss it fully.

In the first place, it should be clearly understood that the change of name will not be made for a considerable time yet, and that it will be effected very slowly and gradually.

We have already taken the first step by registering the name Genatosan, which is now our property; and henceforth we shall be known as Genatosan Limited (The British Purchasers of the Sanatogen Company). These words will be printed on the Sanatogen labels, at the foot of all our advertisements, on our letters, and on all printed matter that we issue.

In this way the word Genatosan will become familiar to the public as representing the British firm which now owns the genuine original Sanatogen.

The next step will be to affix on every tin of Sanatogen a distinctive "tab" bearing the words "This preparation—the only genuine original Sanatogen—will later on be re-named Genatosan, to avoid confusion with inferior substitutes."

The same tab will be affixed on all our correspondence, booklets, show-cards, etc.; and this, again, will pave the way by gradually familiarising the

to be Re-named ?

public with the fact that the genuine original Sanatogen will later on be re-named Genatosan.

A similar announcement has for some time past been included in all our press advertisements ; it will gradually be given more and more prominence, until the time is ripe to launch a very big advertising campaign dealing specially with the subject.

By that time the public will have been thoroughly prepared for the change ; the word Genatosan will have been drummed into people's minds, so that everyone has become accustomed to associate it with the genuine original Sanatogen.

Finally, we shall fix, some months beforehand, a definite date on which the change of name, then expected by everybody, will be made. As this period elapses, our advertisements will grow more and more numerous, larger, and bolder, until the climax is reached, when not a newspaper reader in the whole country will escape being reminded that "this is the day on which the genuine original Sanatogen changes its name to Genatosan."

There is no doubt whatever that by these methods we can not only change the name without the slightest injury to the sale of the product, but can also bring about a great and permanent increase in the demand for it.

Neither need any retailer fear that he may be left with stocks of Sanatogen on his hands when customers are all asking for Genatosan. Such stocks will be exchanged by us without the slightest expense to him ; and he therefore need not hesitate to go on ordering Sanatogen up to the last moment.

We trust that this frank explanation will convince even the most sceptical critics of our policy that they have nothing to fear from the ultimate re-naming of Sanatogen.

GENATOSAN LIMITED (The British Purchasers of the Sanatogen Company),
12 CHENIES STREET, LONDON, W.C.

SHAVING STICKS

ALL-BRITISH

GOOD DESIGN AND QUALITY.

4½d. "THE FLAG," Cartoned, 2/9 doz., 30/- gross.
 6d. "CREAM OF ROSES," Decorated Tin in four colours, Rose design on Cream ground, 4/2 doz., 48/- gross.
 1/- ALUMINIUM HOLDER & FINGER PROTECTOR, 7/6 doz.
 4d. TABLET, Cartoned, 2/3 doz. *Sample of each for stamps, 1/6*

C. A. STOKES & CO., Ltd., 31/35 Lower Castle, BRISTOL

Manufacturers of LIME CREAM, BRILLIANTINES and TOOTH POWDERS for LARGE BUYERS.

Virophos

**AN IDEAL
TONIC FOOD**

of proved utility in Nervous Exhaustion and Wasting Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

"It is of high nutritive value, enhanced by the presence of assimilable phosphates."—*The Lancet*.

The pleasant flavour of VIROPHOS is much appreciated by patients.

PROFIT ON VIROPHOS.

No. 1 (1½ oz.)	Retail 1/3 per tin,	9/- per doz.
No. 2 (3½ oz.)	" 2/- "	14/6 "
No. 3 (6½ oz.)	" 3/6 "	24/- "
No. 4 (13 oz.)	" 6/- "	42/- "

For Export, No. 3 size, in bottles at 27/- doz. is recommended.

Stocks held by

Messrs. SANGERS; MAY, ROBERTS & Co., &c.

Introduced and prepared only by

C. J. HEWLETT & SON, Ltd.
CHARLOTTE STREET LONDON, E.C.

N. 407a



**FREEMANS
REAL TURTLE
Soup Cubes**
"Ready to Serve."

Made from the real rich meat of selected West Indian Turtles—so that real Turtle Soup, once the privilege only of the rich, is now a delicacy easily accessible to every household. No other soup is so nourishing and delicious.

Made in a minute with boiling water.
To retail in 1/- Cartons containing 4 Cubes.

**THE WATFORD
MFG. CO., LTD.**

*Makers of
Freemans Table
Dainties, Boisseliers
(Boy-sel-e-a) Chocolates,
and Vi-Coco,
Victoria Works, Watford*

**Freemans
READY SOUPS
Watford**

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Pepsin Pills.
Peptonised Beef Jelly.
Peptonised Chicken
Jelly.
Pancreatised Lentil
Flour.
Essence of Rennet.
Liquor Thyrodin, &c.

Showcards and Handbills on application.

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PREPARATIONS.

Benger's Food.
Liq. Pancreaticus.
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Peptone Suppositories.
Peptonising Powders.
Ext. of Red Marrow.

GOLD MEDAL AWARDED, HEALTH EXHIBITION, LONDON, ADELAIDE and MELBOURNE

Messrs. BENGER'S FOOD, Ltd., regret to announce that on and after
SATURDAY, FEBRUARY 10th, 1917,

**The Minimum Retail Prices of
BENGER'S FOOD must be
increased to full face value, viz.:
1/-, 1/6, 2/6, 5/- and 10/- per Tin.**

Trade Prices and Terms will be adjusted accordingly.

Benger's Preparations have the unqualified recommendation of the Medical Profession throughout the world.

Of all Wholesale Houses and Shippers or from the Sole Manufacturers:

BENGER'S FOOD, LTD. ————— **OTTER WORKS,** ————— **MANCHESTER, ENGLAND.**
Telegrams: "BENGER'S, MANCHESTER" Code: A.B.C. 5TH EDITION. BENTLEY'S COMPLETE PHRASE CODE.
BRANCH OFFICES: NEW YORK (U.S.A.): 90, Beekman Street. SYDNEY (N.S.W.): 117, Pitt Street.
CANADIAN AGENTS: THE NATIONAL DRUG & CHEMICAL CO., Ltd., 34, Gabriel Street, MONTREAL, and branches throughout CANADA.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK
FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

----- **HEDLEY'S** -----
MALTED MILK
(CITRATED).
BRITISH THROUGHOUT.

THE IDEAL FOOD for Infants, Invalids, and all
who suffer from weak digestion.
HEDLEY'S MALTED MILK, being Citrated, the formation
of Curds by the Rennet of the Stomach is prevented, so that it practically DIGESTS ITSELF.

ALL CHEMISTS SHOULD STOCK IT.
QUICK SALES. GOOD PROFITS. SATISFIED CUSTOMERS

Sold in Tins, 1/4, 2/6, and 4/9.

ON THE
P.A.T.A. LIST.
Wholesale terms
on application.

HEDLEY'S MALTED MILK CO.
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FINEST QUALITY
MILK POWDER. CASEIN.

Inquiries and Orders Solicited.
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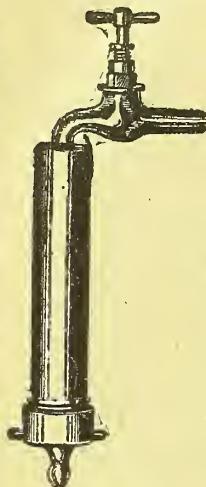
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Highly Recommended by Medical Profession

INFANTS' FOODS packed under Chemists' "OWN NAMES."

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Wherever the PASTEUR FILTER has been applied, TYPHOID FEVER has disappeared.

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P.A.T.A.	Protected Retail Price.	Dozen Net.
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*LOSALL'S SALT (well advertised), tins	7½d.	5/-
* " " "	1/2	10/-
* " " "	bottles in " cartons	1/6
		12/-

*Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema. 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

"Prana" Sparklets.

NOTICE TO THE TRADE.

M ESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

AERATORS LTD.,

"Prana" Sparklet Works,
Upper Edmonton, N.

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FINE LEAF GELATINE
PURE CALF

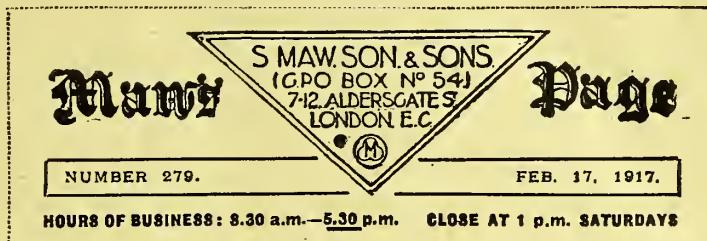
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In 1lb. Packets.
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FINE CRYSTAL GELATINES:
PURE SKIN GELATINES.
POWDERED GELATINES.

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The Lists for both Cash and
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in connection with the
WAR LOAN
close to-day (Friday).

LEND YOUR MONEY
and
HELP YOUR COUNTRY
NOW

TO-MORROW WILL BE TOO LATE !



Old British



Take a
Note of the Name

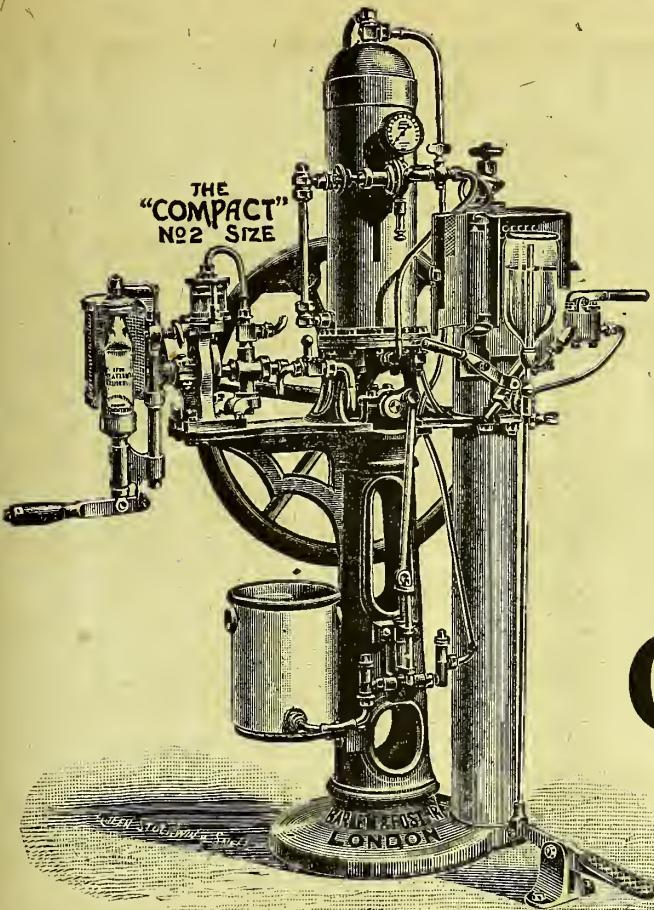
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THE BRITISH APERIENT WATER

A Profitable Line for Chemists.

IDRIS & CO., LTD.

Pratt Street,
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We supply every machine, article and appliance needed for the manufacture of aerated waters. Our lists, including the "Red Club" monthly price list of Soluble and Fruit Essences, Essential Oils, Mineral Water Salts, Colourings, Chemicals and Drugs, posted free anywhere.

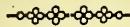
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"Compact" Soda-water Machines have been specially designed for the use of chemists.

"Compacts" supply just as little, or just as much bright, sparkling aerated water bottled in siphons, patents or other bottles, as your trade calls for, and as the machine always stands ready for immediate use, the goods, when sold, can have the advantage of being freshly carbonated.

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"Compacts" render you quite independent of outside suppliers; increase your profits and enable you to offer waters of a uniform, dependable, quality.



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SALICYLATE SODA
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Salol, Metol 100%
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all guaranteed B.P.

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HAIR
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GOOD PROFITS are made by selling
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CELEBRATED
BRUSHES
(*Hair, Tooth, Nail & Shaving Brushes*).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money. Illustrated Catalogue on application.

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"BACTEROL"

The Most Efficient Antiseptic & Germicide. Disinfectant & Deodorant.

NON-TOXIC, NON-IRRITATING, NON-STAINING, NON-GREASY.

MENLEY & JAMES, LTD., have pleasure in announcing to the trade that they have acquired the sole selling agency of the "Bacterol" products manufactured by Bacterol, Ltd., London, N.

"Bacterol" products cover the whole field of Antisepsis and Disinfection, and are rapidly establishing themselves as the standard Antiseptics and Germicides in Public Institutions, the Household and Sickroom, and in Medical Practice.

There are FIVE TYPES OF "BACTEROL," each with its appropriate use:—

MEDICAL. GENERAL. VAPORISING. AERIFORM. VETERINARY.

2 oz.....2/3—	10 oz.....2/0	10 oz.....2/6	2 oz.....2/3	10 oz.....2/6
4 oz.....4/0	40 oz.....6/0	40 oz.....8/6	4 oz.....4/0	40 oz.....8/6

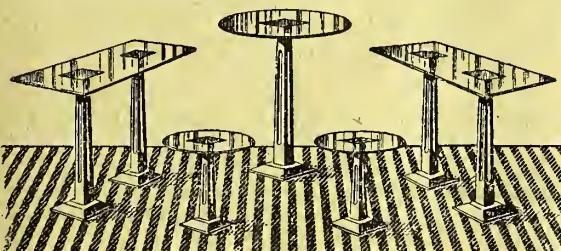
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"Open" Window Dressing

With Solid Polished Oak Pedestals and Plate Glass Shelves

Enables you to dress your window quicker, and make a different style of display each week.



THE SET DEPICTED CONSISTS OF

2 12-in. Oak Pedestals, No. SF 1024	1/8	each.
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The Lot Complete for 49/-

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Cheaper than String

NOT only cheaper, but ever so much quicker, and parcels sealed with gummed tape look neater and are always secure.

The Empire Roller Tape Moistener

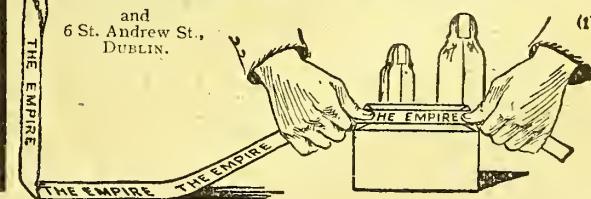
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Write for full particulars and prove its value to you.

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"ALL BRITISH" VACUUM FLASK,

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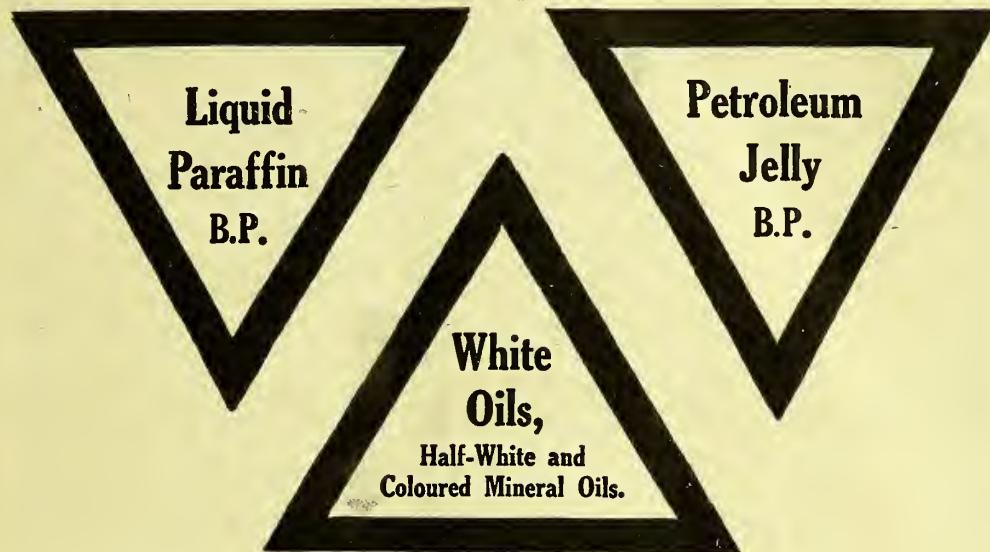
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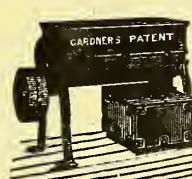
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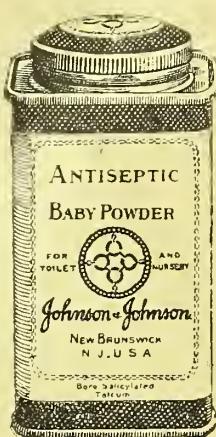
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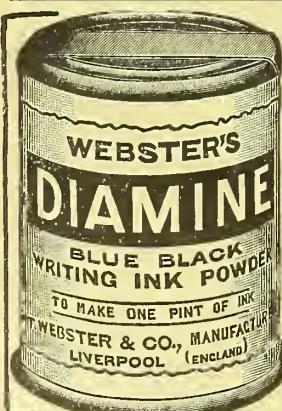
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PANEL BOTTLES.

We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

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Orders sent to either establishment have attention.

Established 100 Years.

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Fragrant Old English
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Lavender Water.

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OUTLAY.

	£	s.	d.
2 doz. 1/- size at 8/-	doz.	0	16 0
2 " 1/9 " at 14/-	"	1	8 0
1 " 3/- " at 24/-	"	1	4 0
½ " 4/3 " at 34/-	"	0	17 0
¼ " 7/6 " at 60/-	"	0	15 0
		£	5 0 0
Less 5% on £5 parcel	-	0	5 0
		£	4 15 0



RETURN.

	£	s.	d.
2 doz. 1/- size	-	1	4 0
2 " 1/9 "	-	2	2 0
1 " 3/- "	-	1	16 0
½ " 4/3 "	-	1	5 6
¼ " 7/6 "	-	1	2 6
		£	7 10 0

Net Profit of £2 15s. 0d. on an outlay of £4 15s. 0d.

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SEA SALT**

The Proprietors have been compelled to revise their prices, which are now as follows. The former prices will be reverted to as soon as market, transit, and labour conditions allow.

NEW PRICE LIST.

	Advertised Price Per doz.	Minimum Retail. Per doz.	Wholesale Per gross.
"PENNY PACKETS" (12 in box)	1/6	1/3	10/6
Twopenny Packets (12 in box) ...	2/-	2/-	18/-
Each. Each. Per doz.			
Boxes, about 1½ lbs. ...	4d.	4d.	3/4
" " 3½ " " ...	8d.	8d.	6/8
" " 7 " " ...	1/2	1/2	11/6
" " 14 " " ...	2/-	2/-	20/-

Four 7 lb. Boxes CARRIAGE PAID for 4/-.

Six 7 lb. Boxes CARRIAGE PAID at 11/6 per doz.

Assorted Orders to value of 10/-, CARRIAGE PAID, any of
above sizes.

No. stock to hold	Bags of 28 lbs. ...	Each. 3/6	Each. 3/6	Each. 3/-
"	56 "	6/6	6/6	5/6
"	1 cwt. ...	12/-	12/-	10/-

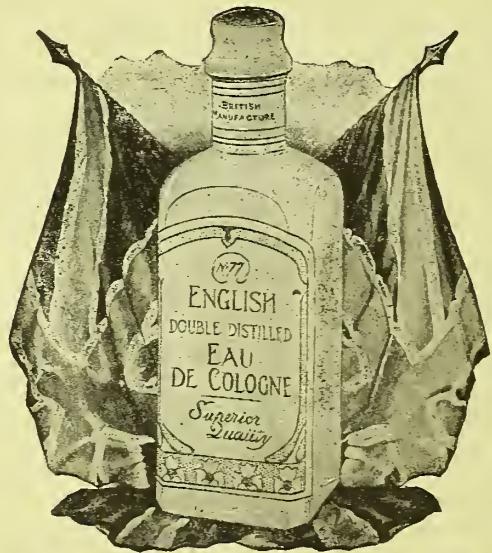
Carriage Paid.

2½% Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed
if not returned.

TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)

**No. 77
BRITISH
Eau de
Cologne**



In Square Bottles

2 oz. ...	11/- doz.
4 " ...	21/6 ..
8 " ...	41/6 ..

In Wickered Bottles

½ pint ...	34/6 doz.
1 " ...	65/- ..
2 " ...	122/- ..

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Important Notice!

ALTERATION of PRICES of EDWARDS' "HARLENE."

Edwards' Harlene, Limited, Proprietors of "Harlene for the Hair," beg to announce that as and from

MARCH 1, 1917,

the Retail Prices of "Harlene" to the public will be advanced as follows:

1/-	size increased to	1/1½
2/6	„	2/9
4/6	„	4/9

The exceptional increase in the cost of ingredients used in the manufacture, also bottles, labour, &c., necessitates this step being taken.

NEW WHOLESALE TERMS:

1/1½ size 12/6 per dozen.

2/9 „ 30/- „ „

4/9 „ 50/- „ „

Less 20 per cent. Discount.

Members of the trade are also requested to note that the minimum selling prices to the public will be as under:

1/-, 2/5 and 4/-.

EDWARDS' "HARLENE," LTD.

20, 22, 24, 26 Lamb's Conduit St., London, W.C.

"SANOID" BORACIC SOCKS.

MANY Chemists have enjoyed the ready sale of Boracic Socks, which literally

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SALES**

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Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail	Minimum wholesale.	
1/-	1/-	7/6	
1/6	1/6	9/-	per doz.
2/6	2/3	15/-	less 5 % discount
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

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Diary 1917, pp. 108, 109.

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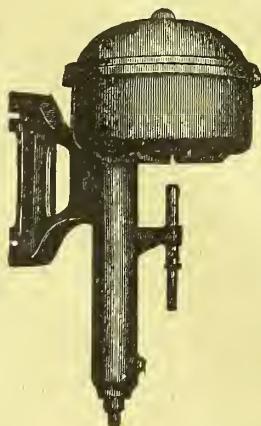
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Infection is Overcome by the production of antibacterial substances (antibodies). When the affected tissues are unable to produce antibodies sufficient to repel invasion, other parts of the body may be stimulated to produce the necessary antibodies by injecting killed bacteria corresponding to those causing the cold.

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Per package of 4 syringes (A, B, C, D)	16/6
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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, February 18.

Pharmacists' Volunteer Corps, Duke of York's, Chelsea, at 10 A.M. Parade, followed by practical first-aid.

Birmingham Chemists' Field Ambulance Volunteer Corps, Wholesale Fruit Market, Moat Row, at 10.30 A.M. Squad and hand-seat drills. The orders for the week are similar to those given in this column last week.

Monday, February 19.

Society of Chemical Industry, London Section, Lyons' Birkbeck Café, High Holborn, London, W.C., at 7.15 P.M. Informal meeting, at which the report of the Club Committee will be received and a discussion take place as to means of increasing the membership of the Section.

Thursday, February 22.

South Wales and Monmouthshire Chemists' Federation, Angel Hotel, Cardiff, at 8 P.M. Preliminary meeting, to which local Associations are requested to send delegates.

North London Pharmacists' Association. Fireside social.

Friday, February 23.

Harrogate Pharmaceutical Association, Salisbury Hotel, at 8 P.M. Address by Mr. Pilkington Sargeant.

European War News.

Import and Export Notices.

FRANCE.—The "Journal Officiel" of January 19, 1917, publishes a decree authorising the export or re-export without special licence of photographic plates and photographic paper. Roots, herbs, flowers and leaves, barks, lichens, fruits, and seeds for medicinal purposes, and fruits for distilling have been placed on the list of prohibited exports. Exceptions from this prohibition are to be allowed under conditions laid down by the Ministry of Finance.

NETHERLANDS.—The Netherlands Oversea Trust resumed, on January 10, 1917, the import of non-oleiferous nuts and kernels, which has been suspended since September 2, 1916. The exportation of celluloid has been prohibited.

SWEDEN.—Additions to the list of goods which are now prohibited for exportation from Sweden to all countries, and also in transit through Sweden, include phosphorus, yellow, white, or red; sesquisulphide of phosphorus; phosphorus hydride; wood spirit, raw or purified; ink and powder (ink-powder) for the manufacture of ink; China ink, also liquid; and calcium phosphate, artificial.

The War Loan.

The employés of Cadbury Bros., Ltd., are given the opportunity to subscribe to the War Loan in twelve equal monthly instalments, the deduction from wages to take place during the weeks when the war bonus is paid. When the full amount is subscribed the certificates will be handed over.

Morny Frères, Ltd., the well-known perfumery house of Regent Street, London, have subscribed for 1,000/- worth of War Loan on behalf of their employés, who are being allowed to pay for same in instalments of 1s. a week for each 5/- The employé is to receive all benefits of interest.

Among the subscriptions to the Loan since our last issue we note the following: Nestlé and Anglo-Swiss Condensed Milk Co., Ltd., 100,000/-; Premier Oil-extracting Co., Ltd., 55,000/-; Benger's Food, Ltd., 50,000/-; Oxo, Ltd., 50,000/-; Jeyes' Sanitary Compounds Co., Ltd., 50,000/-; Sir Thomas Beecham, 50,000/-; Henry Beecham, 50,000/-; A. Boake, Roberts & Co., Ltd., 63,000/-; V. Berg & Sons, 10,000/-; John Morgan Richards and staff, 8,000/-; Ansar Harford & Co., Ltd., 5,100/-; John Lorimer, 5,000/-; James Woolley, Sons & Co., Ltd. (employés' thrift fund), 2,500/-; Distillers Co., Ltd., 150,000/-; Timothy White Co., Portsmouth, 50,000/-; Haddock, Parker & Co., Liverpool, 40,000/-; British Cyanides, Ltd., 20,000/-; Veno Drug Co. and Mr. W. H. Veno, 8,000/-; Carter Medicine Co., New York (through J. Morgan Richards & Sons), 2,500/-.

Evans Sons Lescher & Webb Ltd., Liverpool, have placed before their staffs two generous schemes, which bid fair to enlist the personal support and thrift of all in their employ. Under the first scheme the company offer to purchase from 5/- upwards (some members of the staff have each taken 100/-) of War Loan, payable, as respects each 4/- 1s. for 5/- by 2s. weekly for forty-seven weeks and 1s. for the forty-eighth and final week. From the date of the payment of the first instalment the company credit interest on the full amount, so that at the end of the year each 5/- of scrip is handed over with a year's accrued interest. In order to launch a second scheme, especially suited to the needs of the younger members of the staff, and even of the girls and boys employed, a large gathering was addressed on Saturday by the directors and managers, who each emphasised that every shilling subscribed helps to win the war. To this gathering the War Savings Certificates (1s. 6d. each) were offered for payments of 6d. or 1s. weekly, the company presenting the last shilling with the scrip as soon as 1s. 6d. had been paid. Enthusiasm was evoked, and the rate of enrolment is such as to promise a remarkable total by the end of the week of the offer. As regards either scheme any employé leaving without having completed his or her contributions will be repaid the contributions to date without interest.

Miscellaneous.

SUGAR SUPPLY.—The Food Control Department announces that the quantity of sugar available for February is 60 per cent. of that allowed to retailers for February last year, but 10 per cent. more than was for sale in January.

ENEMY PATENTS.—May & Baker, Ltd., Garden Wharf, Battersea, London, S.W., are applying for the avoidance or for a licence to use the adalin patent 2838/10 belonging to the Farbenfabriken vormals F. Bayer & Co., also for the avoidance or suspension of the adalin trade-mark of which the registered owners are the Bayer Co., Ltd. The hearing is to take place on February 23. British Dyes, Ltd., are also applying for licences to use two dye patents not yet sealed.

Personalia.

Mr. TOM JONES, a former assistant to Mr. John Parry, Ph.C., Talygarth, is now training for the Signalling Section of the Royal Navy.

Mr. ANDREW JACKSON, younger son of the late Mr. T. Jackson, chemist and druggist, of Chorley and Leyland, has been granted a commission in the Machine Gun Corps.

Corporal H. V. TAYLOR, Royal Engineers, son of Mr. Joseph Taylor, chemist and druggist, Radcliffe, has been awarded the Meritorious Service Medal for services in the field.

Mr. F. L. JOHNSON, who has represented Burroughs Wellcome & Co. on the South Coast for the past nine years, has joined the Royal Army Medical Corps, and is stationed at Blackpool.

PRIVATE GROSE Clegg, York and Lancaster Regiment, who was formerly with J. Savage & Co., Ltd., chemists, Bradford, has been severely wounded, and is in a Birmingham military hospital. This is the third time he has suffered in this way.

Mr. A. F. MAXWELL, Ph.C., who has been gazetted second-lieutenant in the Royal Irish Fusiliers from a Cadet battalion, is the fourth son of Mr. Wm. Maxwell, of the firm of Maxwell, Greer & Co., wholesale druggists, Londonderry. Four of his brothers are in the Army.

LIEUTENANT JAMES FLINT, London Regiment, formerly with Frizzell & Co., chemists, 1 Cranbourn Street, London, W.C., was lately received at Buckingham Palace and presented by the King with the Military Cross. Mr. Flint has made a good recovery from his severe wounds, and if we may judge from a photograph of him on horseback, which we have seen, he is ready for the fight again. Mr. Flint is a pharmacist who qualified in 1914, and was formerly in Edinburgh.

Military Tribunals' Decisions.

The following decisions have been made at recent hearings:

ALDERSHOT.—Mr. E. H. G. J. Orange, dispensing chemist, appealed at the Hampshire County Appeal Tribunal against the refusal to exempt his son and assistant, Percy J. Orange, from military service (see *C. & D.*, December 31, p. 42). The appeal was dismissed.

BARNSTAPLE.—Conditional exemption was granted to Mr. Ernest Nash, Ph.C., and one month's delay was granted to his assistant, Alfred Green.—Conditional exemption was also granted to Mr. Arthur Wright, chemist and druggist, and Mr. Wm. Priest, chemist and druggist.—Two months' exemption was granted to Mr. John Moxon, chemist and druggist, and the application of Mr. H. S. Smart, chemist and druggist, with Mr. H. B. Billington, dispensing chemist, was adjourned for two months.

BATH.—Conditional exemption was granted to Mr. E. Williams, manager to Davies & John, chemists.

BOSTON.—Exemption until April 5 was granted to Geo. Ward, a warehouseman, employed by Grimble & Kent, chemists.

CAMBRIDGE.—The certificates of exemption were reviewed of the following chemists: Mr. M. E. Parsons, Mr. S. J. Parsons, Mr. G. L. Wood, with Mr. E. H. Church, and Mr. G. E. Beall. Exemption was refused in the case of Mr. Wood, but he is not to be called up before March 2. Consideration of the other cases was adjourned until February 22.

CARLTON (Lancs).—Mr. R. Whitaker, dispensing chemist, appealed for M. Jackson, his assistant. Exemption was refused, but he is not to be called up before March 5.

DEERWICH.—Conditional exemption was granted to Mr. E. E. Tilley, dispensing chemist.

ESTATE GROUNDS.—Exemption was granted to C. E. Dennis, with Henry S. Martin, Ltd., chemists, confirming a previous decision to grant him exemption until he was called up as a dispenser. He has received his calling-up notice, but not as a dispenser.

ESHER.—Exemption until February 22 was granted to an assistant with Mr. J. Chapman, dispensing chemist.

HASTINGS.—The claims of William J. Bull, George W. Barden, Stanley G. Court, Alfred Phillips, John Thomas Twiss, John L. Tiscornia, Horace Percy Weavers, and John S. Irwin, employed by various chemists, came before the Tribunal, which gave the married men conditional exemption without time limit, and the single men conditional exemption for three months, the employers being advised to make every effort to find substitutes for the men.

HEENE Bay.—Mr. T. B. Cornforth, chemist and optician, reported that his assistant, R. C. Waller, has been accepted as a dispenser in the Royal Army Medical Corps. The next were then considered of Mr. H. Pyman, chemist and

druggist, Mr. W. P. Cole, Ph.C., and Mr. C. Philip, chemist and druggist. The Tribunal decided to grant conditional exemption to all three.

LITTLEBOROUGH.—Conditional exemption has been granted to Mr. J. W. Pearson, dispensing chemist.

MILNEOW.—Mr. W. Nall, Ph.C., appealed for Leonard Roebeck, his assistant. The Tribunal decided that he is not to be called up before March 5, and not until a substitute is obtained.

NORTHAMPTON.—Exemption until March 31 was granted to H. V. Lucas, chemist's assistant.

ONDLE.—Six months' exemption was granted to Mr. S. H. Page, dispensing chemist.

OXFORD.—Mr. W. H. Pearson, chemist and druggist, of the Oxford Drug Co., had his conditional exemption withdrawn, and he was granted exemption until March 31.

PENRITH.—Temporary exemption was granted to F. L. Tucker, apprentice to Mr. A. L. Williams, chemist and druggist, to enable him to complete his apprenticeship.

READING.—Exemption was refused to Mr. A. T. Bennett, chemist and druggist, with Boots, Ltd.

REGATE.—The certificate of conditional exemption granted to Mr. T. E. Wilmshurst, dispensing chemist, has been withdrawn.

ROCHDALE.—Exemption until May 30 was granted to S. H. Holden, with Mr. W. Highley, dispensing chemist.

SHEDFIELD.—Exemption until May 22 has been granted to Mr. E. B. Parrott, proprietor of the Abbeydale Drug-stores, and until May 15 to Mr. W. Walker, drug-store proprietor.

SHOREDITCH.—Three months' conditional exemption was granted to three employees of Sharland & Co., chemical-merchants, Eldon Street, E.C.

SOUTHWAKE.—The case of J. A. Gatehouse, with Boots, Ltd., for exemption was adjourned for a month.—John Bell, Hills & Lucas, Ltd., 1st Tower Bridge Road, had put in claims for ten employés. The Military Representative said the Minister of Munitions had placed several of the men in reserved occupations, and had ordered others to join the Forces. In that case the present appeals would be withdrawn with the exception of one man, who was granted three months' exemption.

SPALDING.—Conditional exemption was granted to Mr. James Epton, dispensing chemist, Market Place, but exemption was refused to Mr. Edward A. Osborn, dispensing chemist, High Bridge. The latter case is to be reported to the Insurance Commissioners so that it can be taken up with the War Office.

STAMFORD.—Exemption until August 31 was granted to J. C. Hemsman, a chemist's assistant, who is sitting for his examination before that date.

STRATFORD-ON-AVON.—Conditional exemption was granted to Mr. Henry Parsons, dispensing chemist, with C. F. Loggin, chemist.

SWINTON (Lincs).—Two brothers in partnership as Yates Bros., chemists, were before the Tribunal last week. The elder brother was granted conditional exemption, but exemption was refused in the case of the younger brother, who is not, however, to be called up before February 23.

TEWKSBURY.—Exemption was refused to Mr. John H. Atkin, junior, dispensing chemist.

WAKE.—The appeal to the Hertfordshire Appeal Tribunal for the exemption of L. G. Edwards, assistant with Woollatt & Coggins, chemists, was dismissed.

WESTON-SUPER-MARE.—The appeal for Mr. E. A. Smith, chemist and druggist, manager for Lewis Wing, Ltd., was adjourned for a month to allow of a substitute being found.

WEMMOTTH.—At the Dorset Appeal Tribunal, the Military Representative appealed against the conditional exemption granted to Mr. C. H. Bullock (*C. & D.*, January 5, p. 54), but the Tribunal dismissed the appeal.—At the Dorset Appeal Tribunal, the appeal of R. G. Innes, assistant with Boots, Ltd., was dismissed.

WORCESTER.—Conditional exemption was granted to Mr. W. J. Thomson, dispensing chemist, 10 Corn Market.—F. J. Newton, with E. J. Kitson, Ltd., and P. Simpson, with Anderson & Virgo, were given until April 15, subject to a substitute being found.

Gold Scarcity.—The family of Rudolph Virchow has placed seven gold medals at the disposal of the Berlin committee for gold-collection. The scientist had received them from foreign Scientific Societies. The value of the gold amounted to 2,300m.

In view of private and military reasons that the business of P. Whinman & Co., drug and chemical merchants, 2 New London Street, E.C., was converted into a private company (*C. & D.*, February 10, p. 58). The business is under the same control as hitherto, with Mr. Philip Whinman as managing director.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

New Year's Honours.

Owing to the recent change of Government the New Year's Honours List was not published until Tuesday. The Prime Minister's list contained no names connected with pharmacy or medicine except that of Dr. Robert Armstrong-Jones, a St. Bart.'s man, formerly resident physician at the L.C.C. Asylum, Claybury, and lecturer on mental diseases at St. Bart.'s Hospital. He receives a knighthood. From the official list we learn that Dr. Arthur Newsholme, C.B., Chief Medical Officer of the Local Government Board, is receiving K.C.B. Sir R. W. Burnet, Physician to His Majesty's Household, who was knighted in 1908, now receives K.C.V.O. and the C.M.G. is conferred upon Dr. John Warnock, Director of Lunatic Asylums, Egypt, and Dr. W. A. Betts, Director of Municipal and Local Committees of Egypt. K.C.M.G. is conferred upon Dr. Francis Watts, C.M.G., Imperial Commissioner of Agriculture in the West Indies.

Registration of Business Names.

Registration under the new Act commences on February 22, and the prescribed forms of application will be obtainable at the principal post-offices, gratis, on and after February 21. There are separate forms for (1) Individuals—on salmon paper—R.B.N. 1; (2) Firms—on light-blue paper—R.B.N. 1 A; (3) Corporations—on white paper—R.B.N. 1 B. Individuals and firms who have to furnish the additional particulars as nominee or trustee, or as general agents for a foreign firm, must fill up an additional form. For individuals this is on pink paper, R.B.N. 2; for firms on light-blue paper, R.B.N. 2 A. Any person who carries on business as sole proprietor under any other name than his own must fill up the form or forms for individuals. Application can only be made on the prescribed form. Those persons required to make a statutory declaration under the Act can also obtain the form for this purpose from the post-office. The fee (5s.) is to be paid by affixing an adhesive stamp to the form, and when completed the form must be sent or delivered to the Registrar of Business Names, which for England is 39 Russell Square, London, W.C. As the reception and examination of applications will entail a considerable amount of work, it will be some time before certificates of registration can be issued.

Formula Disclosure Beaten in Queensland.

The annual meeting of the Owners of Proprietary Articles Section of the London Chamber of Commerce was held at Oxford Court, Cannon Street, E.C., on February 12, when Mr. W. H. Woodward (Woodward's Gripe-water) was elected Chairman in the place of the late Sir Joseph Beecham, Bart., and Mr. H. J. B. Condy (Condy & Mitchell, Ltd.) was re-elected Deputy-Chairman. The Committee was also re-elected *en bloc*. In regard to the Australian Bill to amend the Commerce (Trade Descriptions) Act, 1905, it was reported that nothing further had transpired, and the position remains practically as outlined in our issue of June 3, 1916 (p. 44), the Bill having been temporarily dropped after passing the Senate. It will be remembered that in May 1916 the Australian Senate passed an Act to amend the Commerce (Trade Descriptions) Act of 1905, in which it was required, *inter alia*, that any owner of a proprietary medicine or medicinal preparation shall supply to the State in writing an exact and complete statement of the ingredients of his preparation, and "such other information" as the Minister may require. The Special Committee of the Section opened a Guaranteed Fund in 1916, and 50 per cent. had been called up to meet expenses which have been incurred in opposing the Bill. Action was next reported in regard to the proposed requirement of formula disclosure or deposit in Queensland. It appeared that Mr. Cullen Ward (Sydney, N.S.W.) had sent a cablegram on January 22, stating that the Queensland Health Department gazetted, on December 15, 1916, amended regulations with regard to food and drugs demanding formula publication on label. Mr. Cullen Ward interviewed the Minister of Health and the departmental officials, and the Minister had finally and definitely promised to cancel the regulation demanding formula. A cable was also received from Mr. Cullen Ward on February 6, stating that the Minister of Health had withdrawn his promise to cancel regulation demanding formula. Mr. Cullen Ward suggested that the Home Secretary, Brisbane, be cabled to immediately, refusing to comply. A cable was, therefore, addressed by the Chamber to the Home Secretary, Queensland, and a copy sent to Mr. Cullen Ward on February 7 as follows:

"Have cabled Home Secretary. Reported Health Regulations gazetted Queensland requiring disclosure or deposit formula Patent proprietary medicines Proprietary Articles Section London Chamber Commerce must refuse fulfil these conditions otherwise will endanger Trade Marks Rights throughout world request withdrawal. Musgrave, Secretary, Chamber Commerce."

On February 9, however, a further cable was received from Mr. Cullen Ward that the Legislative Council had rejected the Minister of Health's proposals by fifteen votes to two, which the meeting considered very satisfactory, and it was resolved to send Mr. Cullen Ward a congratulatory telegram.

Birmingham.

The fog and frost played havoc with human comfort, one result being that pharmacy greatly benefited by the large demand for cough and cold remedies.

The members of the Pharmaceutical Corps of this city are going strong. They have secured for their drill on Sunday morning what is commonly known as the Rag Market, which during the night is well trimmed for their purposes. It gives them ample accommodation.

Boots, Ltd., New Street, have opened a new department for surgical appliances. It is in charge of a trained nurse. In their West-end branch (Broad Street) they have an excellent window-exhibition of dainty trays, on which are displayed fine specimens of drugs and chemicals.

The high-class pharmacy of Mr. Thomas Chase, 151 Broad Street, has in the windows four large specie-jars containing magnificent specimens of such drugs as bael-fruit (perfect halves), cinchona-bark (guills about 2 feet long), and colo-cynth-pulp (whole and peeled). It is a simple and dignified exhibit.

Liverpool.

"Frontal headache," ascribed to the bitter cold which set in recently, has led to a demand for certain specifics found at the pharmacies.

Glycerin, if obtainable, could have been sold in considerable quantities, ever since the frost arrived, for mixture with the water in gas-meters. The Liverpool Gas Co. prescribe this mixture, to prevent freezing, by notice on all their wet-meters.

"I'll take it with me" is a phrase in growing use on the customers' side of the pharmacists' counters. The paucity and inefficiency of both errand-boys and errand-girls have become proverbial; indeed, in all branches of labour scarcity prevails.

Now that "too old at forty" is no longer the rule at the docks, behind shop-counters, or in offices, the sale of hair-dyes to males has steadily fallen off. There was a fillip in the early days of recruiting, because many men about forty-five years of age wished to enter the Army. Singular to say, a slight recovery in hair-dyes is traceable this week.

Plymouth.

The cold weather, so unusual to this genial climate, has resulted in a tremendous demand for winter remedies and nursing requisites. Dispensing has reached a level unusual for many years.

The military authorities are still hankering after the "Naboth's vineyard" of pharmacists eligible for military service. Three proprietors of well-known pharmacies in the most important part of the town and an assistant have been summoned for medical re-examination.

In consequence of the death of the late proprietor, Mr. Cox, the business of the County Drug Co., 108 Old Town Street, has been purchased by Boots, Ltd., who will thus become established in the town for the first time. Although the frontage is small the premises are extensive and roomy.

Sheffield.

Edmund C. Exell and Arthur Exell have been granted at the Sheffield Brewster Sessions a licence to sell rectified spirits at their new wholesale department, 20 Bank Street.

Bro. H. B. Billington has been installed Worshipful Master of the First Friendly Lodge, No. 1513, at Barnsley. Bro. Percy Carr, S.W. of the Wentworth Lodge, Sheffield, attended as his guest.

With a view to forming a list of substitutes for pharmacists and assistants called to the Colours, the Secretary of the Pharmaceutical Committee has issued a circular inviting information from panel chemists of persons serving in the Forces or who cannot be retained in their present positions who are (1) not fit for general service or garrison duty abroad, or (2) who are not engaged in dispensing work in the Forces.

Miscellaneous.

CHEAP TOOTH-BRUSHES.—Hereford City Council is to supply tooth-brushes to school-children at 3d. and 3½d. each, a local pharmacist charging 33s. 6d. and 40s. per gross for them.

MR. JOSEPH WALKER, chemist, Malpas, applied on February 5 for removal of his wine-licence from his old shop at the Cross to new premises. Mr. Morgan informed the Broxton Justices that he did 150*l.* in wines, and they granted his request although the police opposed.

DERBY POISON PLOT.—The Lord Chief Justice and Mr. Justice Ridley, on February 8, granted the request of the Attorney-General to remove the trial of the Wheeldons and Mason (*C. & D.*, February 10, p. 10) from the Derby Assizes to the Central Criminal Court, London.

BRADFORD CHEMISTS have launched their mutual-buying scheme on co-operative lines, which is to be formed into a limited liability company after the war. The Committee appointed at a meeting of the Pharmacists' Association on January 30, with Mr. J. W. Thorpe, Killinghall Road, as Hon. Secretary, submitted rules and plans to a meeting of local chemists at the Central Café on February 13. The proposals were accepted, and thirty chemists promised to subscribe the 10*l.* necessary to become members. Convenient premises have been provided by Mr. H. W. Shepherd, chemist, 64 Lumb Lane, Manningham.

AMERICAN CHAMBER OF COMMERCE IN LONDON.—The most interesting commercial development in Anglo-American relations since the beginning of the war is the announcement of the formation of an American Chamber of Commerce in London. An influential board of directors has been formed, including Mr. R. H. Cahell, of Armour & Co.; Mr. F. E. Powell, of the Anglo-American Oil Co.; and many other representatives of prominent American houses. The American Ambassador to Great Britain (the Hon. W. H. Page) and the American Consul-General (Mr. Robert P. Skinner) are among the honorary members.

CREAM-PRESERVATIVES.—As foreshadowed in the *C. & D.* a few weeks ago, the Local Government Board, acting under powers conferred by the Public Health (Regulations as to Food) Act, 1907, has issued an Order prohibiting after April 1 the use of more than 0.4 per cent. of boric acid as a cream-preservative. The present maximum is 0.5 per cent. (see *The Chemist and Druggist Diary*, p. 376). The Local Government Board's Order has been published in the "Gazette," and local authorities and other persons interested have been advised of the fact. The Order is to be cited as "The Public Health (Milk and Cream) Regulations, 1912, Amendment Order, 1917."

POISONINGS.—At Newry, co. Down, on February 10, Charles Collins died from laudanum poisoning. At the inquest Mr. Charles S. O'Hare, J.P., of the firm of O'Hagan & O'Hare, chemists, said that on February 8 deceased, whom he knew, came to him for 4 oz. of laudanum for a vicious horse. He told him that the dose was too big, and he replied it was a very strong horse. Witness then said that laudanum was now one-third stronger than two years ago, and suggested that the deceased should take it in two bottles, to which he agreed. A verdict of suicide from poisoning during temporary insanity was returned.—A Kingswear resident named Fenner was found at an inquest last week to have died from an irritant poison.

NEW PETROL DEPARTMENT.—The Minister of Munitions has established a Munitions Petroleum Supplies Branch, of which Mr. E. Houghton Fry will act as director. Sir Bovertex Redwood will have charge of the research section, including the development of the British sources of supply. Sir Bovertex, who has been honorary adviser on petroleum to the Government for many years, has stipulated that he is to receive no payment for his services. Professor John Cadman, C.M.G., President of the Institute of Petroleum Technologists, will assist in the organisation of arrangements with the Scottish shale distilleries during the war, with a view to a considerable increase in their output. Sir George Beilby is also assisting in an advisory capacity.

ADSHEAD'S BUSINESS.—Formerly chairman and managing director of the firm of W. D. Adshead & Co., manufacturing chemists, Belper, Henry Ernest Welch (36), now a commercial traveller, pleaded guilty at Derby Assizes on February 7 to the fraudulent conversion of sums collected by him on behalf of Richard Eckroyd Clark, the liquidator of the company. There were twenty-one counts in the indictment, and the total amount involved was said to be 536*l.* Mr. Justice Rowlatt said it was not an ordinary case of embezzlement, but having regard to the fact that it was the accused's family business, so to speak, and that his own money was sunk in it, he (his Lordship) proposed to take the unusual course of adjourning the case to the next Assizes, to see what happened in the meantime and whether prisoner succeeded in retaining his present employment. The facts would be laid before the next Judge of Assize, but prisoner would have to pay the costs of the prosecution. Prisoner was then released on his own recognisance to appear at the Summer Assizes.

Irish News.

Brevities.

Thos. McMullan & Co., chemists and druggists, Victoria Street, Belfast, have invested 10,000*l.* new money in the War Loan.

Dr. W. F. Algeo, surgeon of the Anchor liner *California*, who was lost on the sinking of that ship last week, was formerly on the staff of Prior & Co., chemists, Londonderry.

Mr. Hubert Sweeny, Ph.C., has acquired the business of the late Mr. T. J. Rainey, Strand Road, Londonderry. Mr. Sweeny served his apprenticeship with Prior & Co., Belfast, and has since gained additional experience in Dublin, and as manager of two provincial medical halls.

The adjourned meeting of creditors of Mrs. Mary J. Byrne (trading as James Byrne), druggist, Clonmel, was held on February 7, at the offices of McKenzie & Skehan, solicitors, 114 St. Stephen's Green West, Dublin, when a revised statement of affairs was presented disclosing liabilities 3,209*l.* and net assets 674*l.* An offer was now made of 3*s.* 6*d.* in the pound. (See *C. & D.*, February 10, p. 36.)

At the meeting of the Law and Finance Committee of the Cork Corporation an application was read from the proprietors of city chemists' shops to make the daily closing-hour 10 P.M., and 10.30 P.M. on Saturday. On a poll, twenty-one out of the twenty-two owners favoured the order. A letter was read from Mr. M. Healy, M.P., on behalf of Mr. P. J. Fielding, objecting to the proposed order. Mr. O'Reardon proposed the exemption of Mr. Fielding, but there were objections from other members, and the Committee adjourned the matter.

Dr. McCormack, Local Government Board Inspector, held an inquiry at Rathdrum Workhouse last month regarding the death of a patient named Lawless, who was last November poisoned by liquor cresol saponatus administered to him in mistake for black draught (see *C. & D.* November 25, 1916, p. 43). The two preparations were in similar wickered jars, and the labels, although distinct, had become soiled. The mist senna co. jar had been taken away as it was empty, and an attendant mistook the jar containing the liquor cresol saponatus for the one which had been removed.

Scottish News.

Dundee.

Mr. Charles Young, chemist and druggist, Ann Street, has bought the business of the late Andrew Lawson at 65 Perth Road, Dundee.

Long-handled bath-brushes are already in demand, notwithstanding the prevailing low temperature. Two customers followed each other on this errand one day this week.

Pilfering of goods in transit is being conducted on a large scale. Thirty bottles of Eno's fruit-salt were taken from a six-dozen iron-bound case. The wrappers were left in the box.

Edinburgh.

Prescription ledgers are from 33 to 75 per cent. dearer than 2*½* years ago.

Mr. G. Davidson, chemist, Tollcross Corner, has opened a branch establishment in South Bridge, almost opposite the Old University.

The Scottish Insurance Commissioners are allowing approved Insurance Societies to obtain loans from their bankers for the purpose of investment in 5 per cent. War stock.

A local paper gave recipes for "simple cough-mixtures" the other day. Two contain glycerin, whilst the third is a mixture of peppermint, aniseed, paregoric, and laudanum in treacle.

A local practitioner has of late been prescribing linseed-meal on N.H.I. forms. Inquiries proved that payment would, in all likelihood, be disallowed. In Leith, however, chemists are said to receive payment for linseed-meal.

Glasgow and the West.

Two thousand and one hundred barrels of American resin were disposed of at a Prize Court sale held in the Trades Hall, Glassford Street, Glasgow, on February 7.

The Court of Session has granted Mrs. Fowler, 60 Polwarth Gardens, Hyndland, a divorce from her husband, William J. B. Fowler, male nurse and chemist's assistant, now in U.S.A.

Glasgow police are investigating a poisoning case which occurred last week, the victim, a young woman, being taken to the Royal Infirmary. Peasemeal brose was the suspicious substance.

In a letter to the "Glasgow Herald," Mr. John R. Pollock, Schoolhouse, Beauly, states that large quantities of caraway-seeds and valerian-root of finest quality have been grown at Beauly. The harvest of herbs was marketed at highly remunerative prices.

At a meeting of the Board of the Chemists' Friendly Society on February 5 it was agreed to invest the 500/- (notified by the English Commission) in the War Loan. Mr. D. L. Dewar is called up for military service shortly, and the Board passed heartiest good wishes to him.

At Glasgow Central Police Court on February 10, Mitchell Lockhead, of the Glasgow Eastern Co-operative Society, Ltd., 211 Duke Street, Dennistoun, was fined 2/- 2s. for having on January 22 made up, kept, or exposed for sale fourteen packages of washing-soda which were each short of the represented weight.

At the first annual meeting of the Dumbartonshire Herb-growing Association, held at Helensburgh last week, it was stated that the work done was experimental. The early crop of henbane sown was lost owing to the wet and sunless weather. Elder-flowers and foxglove-leaves were collected and dried. Arrangements have been made for collecting foxglove leaves and drying them by artificial heat.

India and the East.

(From the "C. & D." Correspondents.)

MASONIC.—At the installation meeting of Lodge Truth, No. 994, E.C., held on January 3, Bro. Fraser, general manager, Kemp & Co., Ltd., Bombay, was appointed S.D. At the installation meeting of Lodge Concord, No. 757, E.C., Bro. J. L. Holden, Burroughs Wellcome & Co., Bombay, was appointed Assistant Secretary.

BUSINESS CHANGES IN THE PUNJAB.—Mr. Frank Bliss, of Frank Bliss & Co., chemists, Lahore and Simla, is retiring at an early date, and Mr. C. P. Tavener, who joined the Simla branch four years ago, is now a partner in that branch. Mr. A. H. Wilson, of the Simla branch, will take Mr. Bliss's place in Lahore. Mr. and Mrs. Bliss intend having a holiday in New Zealand before returning to the Old Country.

AMERICAN "SANATOGEN" IN INDIA.—An Indian subscriber sends us a circular he has received from Muller, Maclean & Co., Inc., exporters and manufacturers' agents, 11 Broadway, New York, who offer genuine "Sanatogen" manufactured in the United States by the Bauer Chemical Co., an American corporation. The firm say that the sanatogen they are offering is precisely the same as the original product, the only difference being that it is manufactured in the United States by an American corporation operated and controlled by American capital.

New Books.

Directory and Chronicle of China, Japan, the Straits Settlements, Indo-China, etc., 1916. 9 in. x 6 in. Pp. 1,746. 30s. net. [Hong-Kong Daily Press, 131 Fleet Street, London, E.C.] [This is the standard directory and reference work for those interested in Far Eastern affairs. The treaties and other official documents are a feature of the volume.]

Beatts, C. H., and Matthias Watts. *The Next War: The British Industries Fair.* 8½ in. x 5½ in. Pp. xii+64. (London: Simpkin, Marshall, Kent & Co. Paper cover, 1s.) [The Leipzig Fair commenced in 1870, and from 1884 to 1914 it was recognised as a world's market to which 14,010 foreign buyers went in 1914. In that year orders amounting to 46,000,000/- were booked, of which the British Empire took 9,000,000. The war had the effect of a similar Fair being started by the French Government in Lyons, and we had two in London last year, which are to be followed by three this year that are now in preparation, and this book describes them. The Fairs are to be in London, Birmingham, and Glasgow. The British Industries Fair Department of the Board of Trade, 32 Cheapside, London, E.C., supplies all information, and Messrs. Beatts and Watts's book is a good exposition of the subject, especially of what Birmingham and Glasgow are doing in the matter.]

Legal Reports.

Refrigerating Apparatus.—In the City of London Court, before Sir John Paget, Bart., K.C., Deputy Judge, on February 8, the case of the Autovacuum Refrigerating Co., Ltd., v. English Drug and Chemical Works, Ltd., was mentioned. The plaintiffs sued the defendants for 82/- 3s. 2d. for refrigerating apparatus sold and delivered. The defendants had paid 60/-, but a balance of 22/- 13s. 2d. remained, and the defendants' solicitor said that the plaintiffs had undertaken that if any modifications of the apparatus were required by the Board of Trade or Home Office authorities the plaintiffs would carry them out and see that the apparatus was put in working order at their own expense. It was now intimated that the plaintiffs were prepared to abide by the undertaking, and judgment was accordingly given for the plaintiffs.

A Hydrochloric-acid Case.—At Scarborough County Court, before Judge Lock, on February 13, Jas. W. Hoban, licensed victualler, Walmgate, York, sued Mr. John Whitfield, chemist, 6 Filey Road, Scarborough, for 50/- by way of damages by reason of the defendant's alleged negligence. The case occupied most of the day, and was in regard to a purchase of hydrochloric acid by the plaintiff from the defendant, which he used as an application to his shoulder for rheumatism. For the defence it was contended that the plaintiff was supplied with the article he asked for, and Mr. J. Whitfield said in any case the claim which the plaintiff made had been settled. He thought Mr. Whitfield had been extremely generous, as he was not responsible from the first for any damage at all. Mr. George Whitfield corroborated his father's evidence, and a verdict for the defendant was given by his Honour.

Defence of the Realm Regulations.—**Cocaine.**—At the Bletchley Sessions on February 8, Henry Hands and John Charles Henry Wallsgrave, chemists and druggists, Bletchley Road, Fenny Stratford, were summoned (1) for selling cocaine to an unauthorised person without the written prescription of a medical practitioner, and (2) for failing to enter the sale of cocaine in a book specially set aside for the purpose. The evidence showed that a police inspector saw Mr. Wallsgrave on January 29, who told him that he had been selling very little cocaine, except 45 grains to Mr. Thomas Holland, agent to Lord Dalmyn, which was for veterinary purposes, and the sale was entered in the day-book, also in the poison-book, on December 15, 1916. The inspector, after getting this information from Mr. Wallsgrave, interviewed Mr. Holland, who showed him the bottle containing the cocaine. In evidence, Mr. Holland stated that the cocaine was for firing horses. He did not use any of the poison, but, at the request of Mr. Wallsgrave, returned it to him. Mr. Wallsgrave's defence was that as no sale had been effected there had been no offence. After retiring to consider the evidence, the Magistrates imposed a fine of 1/- for each offence, 2/- in all. —**Opium:** At Harwich on February 13, Mr. Robert Woodward, chemist and druggist, 1 Market Street, Harwich, was summoned for selling opium to an unauthorised person, and without keeping in the firm prescribed a record of the sale. He pleaded guilty. The Magistrates did not look upon the matter as serious, and ordered the defendant to pay the costs, 1/- 2s.

An Apprenticeship Agreement.—At the Wolverhampton County Court, before Judge Smith, on February 8, Mr. Thomas Reade, chemist and druggist, Wolverhampton, applied for an injunction to restrain Mr. William Starkey, chemist and druggist, Worcester Street, Wolverhampton, from carrying on business either as an assistant chemist or a chemist and druggist within ten miles of Wolverhampton for a period of five years. Mr. Eales stated for the plaintiff that Mr. Reade is managing director of Reade Brothers & Co., Ltd., 63 Victoria Street, Wolverhampton, and in December 1912, when the defendant was nineteen years of age, he and his mother saw the plaintiff in regard to him becoming an apprentice. It was pointed out to them that there would be a restrictive agreement which would last for ten years, but this was ultimately reduced to five years. The apprenticeship deed was executed in February 1913. In 1914 defendant married, and asked for increased pay beyond that allowed by the agreement. This was granted, as also were two other increases. The defendant left before his time had expired, and it was then discovered that he had entered the employment of Mrs. Fellows, widow of Hugh Fellows, 47 Worcester Street, Wolverhampton, whose business was continued by her. Mr. Eales's statement was confirmed in evidence by the plaintiff, after which evidence for the defence was called. The

defendant stated that he had not had the slightest intention of leaving Mr. Reade's employment until he was told by Mr. Reade, jun., after defendant's brother left, that was no business of his. He then stated that before he would do any more work he would want to know why his brother had been dismissed. Thereupon he was told to "knock off." He went home and remained for three weeks, not being sent for, then went to his brother's shop at Ironbridge to study for the Minor examination, which he passed in April 1916. Evidence was also given by Messrs. Frederick J. Gibson, Sidney Phillips, and Harold Coleman, chemists in Wolverhampton, to the effect that they had never known of such restrictive clauses in an apprentice's agreement. His Honour, in giving judgment for the plaintiff, said it was clear that before Mr. Reade would take the defendant he pointed out that it was a *sine qua non* that he should enter into the covenant. He granted the injunction in the terms of the covenant, and ordered the defendant to pay costs. On the application of Mr. Ward, his Honour granted a stay for twenty-one days or, if an appeal is entered, until the termination thereof.

The Beecham Estate.—A series of motions in pending actions concerning the administration of the estate of the late Sir Joseph Beecham, Bart., came before Mr. Justice Sargent in the Chancery Division of the London High Court on February 9. The object of the motions was to see whether the actions could be consolidated, and to decide upon the venue of the further legal proceedings that may be necessary. Mr. P. O. Lawrence, K.C., now appeared for Mr. Henry Beecham, the testator's second son and an executor, and Mr. Chas. Rowell, an executor and the testator's business manager. He stated that the motion was to consolidate three actions, and alternatively to stay proceedings in the second and third actions. Proceedings in the last had been taken before Mr. Justice Peterson. The other two were London actions, one by Sir Thomas Beecham, and the other by a creditor against the executors, and his debt was disputed. Having explained the will (see *C. & D.*, January 20, p. 40), counsel said the very difficult matters that would arise were connected with the large contract entered into by the testator for the purchase of the Covent Garden Estate. The price was 2,000,000*l.*, and arrangements had got to such a stage when he died that he believed that 250,000*l.* was paid by the testator on account, and he had made arrangements for the outstanding payments and for the working of the estate in the meantime. The vendor, the Duke of Bedford, had not given up possession. Another important matter was the venue in which the proceedings were to be conducted—Liverpool or London. The value of Sir Joseph's estate was sworn at 1,000,000*l.*, but the business itself was worth more than that sum, quite apart from the residue. A serious question would arise as to how far the business assets which could be realised would be made available to pay the balance of the Covent Garden purchase-money, which in the ordinary course would have to be paid in June next, and it was therefore vital to see how matters were going on. He asked his Lordship to hear his motion. At the date of his death, counsel proceeded, Sir Joseph had deposited at his bank at St. Helens a sum of 255,000*l.* in the name of "The firm of Thomas Beecham, pill-manufacturer, St. Helens," and he (counsel) claimed that that was included in the business, and was not residue, though the residuary legatees contended to the contrary. On his private and other accounts there were large overdrafts. He asked that the deposit in the bank should be invested in War Loan. There would be very heavy death-duties to be paid, and he understood that the Government would take War Loan in payment. There was a suggestion that the bank would not pay out because they might have a right to a set-off against their particular overdraft. He gathered that, taking everything into account, there would be a surplus of about 500,000*l.* Mr. Maughan, K.C., addressed the Court briefly for three of the daughters: Mr. Grant, K.C., for Mr. Donald Baylis, the creditor; and Mr. Jenkins, K.C., for two of the executors. His Lordship said it was clear that the administration decree would have to be made in one action only, and that it must be made with reasonable promptitude. Later in the day he said that he had spoken to Mr. Justice Peterson, and he (his Lordship) would take all the actions next Friday (February 16).

THE MOST INTERESTING ORDER to hand to-day (wrote a subscriber on February 9) was: "Twopenny'orth of stuff for a man as 'as'ad 'is papers."

CHILBLAINS.—Dr. E. B. Hazleton states in the "B.M.J." p. 212, that the almost complete absence of eggs from the daily diet is a cause of chilblains. He prescribes a mixture containing liq. calcis saech. 5*l.*, and calc. chloridi gr. v., to be taken in milk thrice a day, and pil. aloes et ferri gr. iv. once daily.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

SALTRATES, LTD. (P.C.)—Capital 100*l.* Objects: To carry on the business of chemists, druggists, exporters, etc. The subscribers are G. Defries and H. W. J. Chipchase.

INTERNATIONAL BOTTLE CO., LTD. (P.C.)—Capital 12,000*l.* Objects: To take over and carry on the businesses of the International Bottle Co. and John A. Maier & Co., 48 Fore Street, E.C. J. A. Maier is a permanent governor director.

G. JOLLEY & CO., LTD. (P.C.)—Capital 4,000*l.* Objects: To take over the business of G. Jolley & Co., 13 Curzon Street, Mayfair, chemists and druggists. The subscribers are P. Hampton and A. R. Campbell, 13 Curzon Street, Mayfair, W., chemist. The first director is H. J. Kluge.

P. MELLIS & SONS, LTD. (P.C.)—Capital 3,000*l.* Objects: To carry on the business of manufacturers of and dealers in indiarubber, guttapercha, rubber, etc., rubber reclaimers, etc. The subscribers are L. Mellis and H. Smith. The first directors are P. Mellis and L. Mellis. R.O., 47 Tenter Street, Goodmans Fields, E.

PURIT SPECIALTIES, LTD. (P.C.)—Capital 1,000*l.* Objects: To carry on the business of manufacturers of and dealers in powder chemicals, liquids, and other products and materials and plant for washing, cleansing, polishing and purifying metal, and metal and other goods, etc. R.O., 9 Bennett's Hill, Birmingham.

CAMWAL, LTD.—The shareholders met at Frascati's, Oxford Street, W., on February 8, when the directors' report (*C. & D.*, February 3, p. 38) was submitted, discussed, and adopted. Mr. Horace Davenport, retiring director, was re-elected, and a hearty vote of thanks was passed to Mr. Hayward Davenport, the Chairman.

BOVRIL, LTD.—The directors' report for 1916 states that the net profit amounted to 170,309*l.*, which, with the balance from last account, gives a total of 191,052*l.* After the payment of the debenture interest and the regular dividends on the preference and ordinary shares, the directors recommend a dividend on the deferred shares of 3*l.* per cent. (9*d.* per share) free of income-tax, to place to reserve 35,000*l.*, raising that fund to 325,000*l.*, and to carry forward 17,262*l.*, which includes a reserve for excess profits for the years 1914, 1915, and 1916. The directors report that the sales, excluding all Government and Red Cross orders, have surpassed all previous records.

Bankruptcy Reports.

RE H. A. SMITH, Boundary Road, Leicester, Manufacturing Chemist.—The debtor, at Leicester County Court on February 14, was granted his discharge from bankruptcy, he consenting to judgment for 200*l.*

RE SEPTIMUS WALGATE, 44 Plymton Road, Brondesbury, and 58 Duke Street, Grosvenor Square, W. (Leath & Ross), Homoeopathic Chemist.—The creditors met at the London Bankruptcy Court, before Mr. J. B. Knight, Official Receiver, on February 9. The Chairman stated, *inter alia*, that in 1891 the debtor acquired a quarter share of the business for 500*l.* About three years afterwards he retired from the firm, and received 1,000*l.* as his share of the assets. In 1898 Mr. Ross died, and debtor purchased the business for 1,250*l.* He did very well until 1908, when his wife had a serious illness, which caused him to neglect the business, and since then it had gradually dwindled. His drawings had latterly been 5*l.* per week, but the profits hardly amounted to that. During the last three years he had been in the hands of professional money-lenders. He now owed about 2,200*l.*, and estimated his assets at 635*l.*, subject to preferential creditors' claims. The meeting decided to appoint Mr. G. M. White, accountant, 14 Old Jewry Chambers, E.C., as trustee of the estate, his bond being fixed at 500*l.* The following proofs of debt were tendered: C. T. Barnes, 43*l.*; Bond & Son, 28*l.*; Butler & Crispe, 29*l.*; Bentson Clark & Co., Ltd., 10*l.*; Exors. of Ethel Burdass, deceased, 188*l.*; W. Edwards & Son, 34*l.*; Mrs. E. German, 25*l.*; Homoeopathic Publishing Co., 37*l.*; Hedgkinson, Prestons & King, 15*l.*; Meadows & Co., 13*l.*; Sparkes, White & Co., Ltd., 10*l.*; C. Walgate, 25*l.*; G. V. Walgate, 250*l.*; Mrs. E. L. Walgate, 650*l.*; — Weller, 10*l.*

Births.

BOOT.—At Ruddington, Notts, on February 6, the wife of Captain John Boot, of a daughter.

FEWSTER.—At 1 Griffin Street, The Cliffe, Lower Broughton Road, Manchester, on January 19, the wife of Oscar Longwood-Fewster, chemist and druggist, of a son.

Marriages.

CORRECTION.—We much regret that in the notification of a marriage in this section of the *C. & D.*, February 10, p. 38, the bride was mentioned as the second daughter of Mr. W. P. Evans (Evans Sons Lescher & Webb, Ltd.), which she is not. Mr. William P. Evans has only one daughter, who was married some years ago, and the association of his company's name with that of the bride's father was done in error, and without Mr. William P. Evans' authority.

DALE—HODGINS.—At the Cathedral, Bombay, on January 17, William Leonard Dale, chemist and druggist, of Thomson & Taylor, Bombay, to Maude Lilian Hodgins.

TATTERSALL—COOP.—At Christ Church, Blackpool, on January 22, F. Tattersall, dispensing chemist, 6 Claremont Terrace, Blackpool, to Ethel, eldest daughter of Mr. and Mrs. Coop, 8 Imperial Terrace, Blackpool.

Golden Wedding.

MR. AND MRS. JOHN SKELETON, 56 Ecclesall Road, Sheffield, have just celebrated their golden wedding, having been married at Ecclesall Church, by the Rev. George Sandford, on January 31, 1867. They have spent the greater part of their lives in Sheffield, and have been in business as medical herbalists for over forty-eight years, being still active in it. The "Sheffield Daily Telegraph" printed their portraits on February 10.

Deaths.

COURT.—At 36 Little Clarendon Street, St. Giles, Oxford, on January 30, Mr. George Frederick Court, chemist and druggist, aged sixty-eight.

FORTH.—At Mundesley-on-Sea, Norfolk, recently, Mr. William Pilcher Forth, chemist and druggist, aged sixty-two. Mr. Forth had been manager of the Mundesley Pharmacy since the departure two years ago of its proprietor, Lieutenant E. Gane Inge, on active service.

LEMMON.—On February 7, from pneumonia, after a brief illness, Mr. Robert Lemmon, chemist and druggist, of 42 High Street, Hythe (Kent), aged seventy.

LOD.—The death is reported of Mr. John Edward Lord, chemist and druggist, Bank Street, Rawtenstall, aged sixty-five. He and his father were among the first to commence business in the town. Mr. Lord passed the Minor examination in April 1873, and his son, Mr. Philip H. G. Lord, in April 1909.

MATTHEWS.—At Galen Lodge, Ross, Herefordshire, on January 22, Louisa, wife of Mr. Thomas Matthews, chemist, formerly of Man of Ross House, Ross, aged sixty-eight. The "Ross Church Monthly Magazine," referring to Mrs. Matthews' death, stated that she was "a shining example of what a wife and mother can be in unselfishness, sympathy, and devotion." She never got over the death of her eldest son, Surgeon Vernon L. Matthews, who lost his life in H.M.S. *Viknor* (*C. & D.*, February 13, 1915, p. 43).

MULLETT.—At Bridge House, Ponders End, on February 8, Mr. John Frederick Edward Mullett, drug-merchant, 49 Fenchurch Street, London, E.C., aged sixty-eight. The late Mr. Mullett, who died from dropsy after an illness of about two months, was one of the most familiar figures in Mincing Lane drug and chemical circles, and in his regularity of attendance on 'Change he probably held a "record." As a youth he entered the employment of the late Mr. Charles Brumleu (which drug business is still carried on by his son, Mr. William Charles Brumleu) about 1862, and as time progressed he became head clerk. In 1880 he commenced business on his own account as a drug and essential-oil merchant, specialising in opium, otto of rose, saffron, French essential oils, etc. At one period of his career, when THE CHEMIST AND DRUGGIST was a monthly, Mr. Mullett was a regular contributor to the Trade Report. We remember on several occasions he took a leading part in the loyal demonstrations of the merchants on 'Change—e.g., on the occasion of Queen

Victoria's Jubilee, the relief of Ladysmith, etc., and he was always proud of the royal acknowledgment of his efforts.

PARS.—At Parkstone, Poole, recently, Mrs. Pars, wife of Mr. F. R. C. Pars, chemist and druggist, formerly of Red Lion Square, Stamford.

PUGHE.—At Llanfairfechan on February 13, very suddenly, Mr. Richard Owen Pughe, chemist and druggist, aged seventy-five. Mr. Pughe passed the Modified examination, and was registered in December 1868. He started in business in Pwllheli, then went to Llanfairfechan, where he was a well-known man.

ROBERTSON.—At Hopebank, Rutherglen, Glasgow, on February 5, Marion, daughter of Mr. David Stewart Robertson, pharmacist, Glasgow and Rutherglen, aged twenty-two.

ROSE.—At 33 Billiers Road, Southall, on February 9, Alfred W. Rose, aged sixty-six. Mr. Rose was for forty years the faithful servant and friend of Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C., and had retired on a pension.

STRANG.—At Rosebery House, Callander, on February 9, Mr. Duncan Strang, chemist and druggist, who passed the Minor examination in January 1908.

THOMPSON.—At 2 Rosetta Villas, Belfast, last week, the wife of Mr. Robert S. Thompson, of Perry & Thompson, druggists, Ann Street.

WRIGHT.—At Springfield, Spring Bank, New Mills, Derbyshire, on January 30, Mr. John Wright, Ph.C., aged fifty-one.

Died on Service.

ONIONS.—From wounds received in Egypt, Lance-Corporal Sidney Onions, aged twenty-five. Mr. Onions served his apprenticeship with Mr. Smith, pharmacist, Handsworth, and was later assistant to Mr. J. R. Allen, pharmacist, West Bromwich. His officers speak highly of his skill and devotion to duty, and his unselfishness was proved well towards the end, for on Christmas Day he walked four miles to visit a wounded comrade, whose condition he took much to heart. A few days later he himself was wounded at Rufa, and it was from this injury that he died.

Trade Notes.

"MAW'S PAGE" is this week devoted to an announcement regarding the War Loan, the subscriptions to which must be sent in to-day (Friday) as the lists close this evening.

T. & H. SMITH, LTD., have removed their London establishment to new and commodious premises, 25 Christopher Street, E.C. (near Finsbury Square), to which all communications should be addressed.

EDWARDS' HARLENE.—The prices of Edwards' Harlene are to be advanced from March 1. The new retail and wholesale prices are advertised in this issue as well as the minimum selling prices to the public.

BENGER'S FOOD.—It will be observed from an advertisement in this issue by Benger's Food, Ltd., that the minimum retail prices of Benger's Food were, on February 10, increased to the full face values—namely, 1s., 1s. 6d., 2s. 6d., 5s., and 10s. per tin. The trade prices and terms have been adjusted in accordance with this advance.

"ILFORD MANUAL OF PHOTOGRAPHY."—A new edition of this well-known instruction-book on photography, by Mr. C. H. Bothamley, has been published by Ilford, Ltd., Ilford. It appears that a quarter of a million copies of the work have been issued, and it is easily the most popular book of its kind. The price at which it is sold remains at one shilling.

GRIPER WATER.—It will be observed that W. Woodward, Ltd., 79-81 Fortress Road, Kentish Town, London, N.W., notify in this issue an increase in the wholesale and retail prices of gripe-water. The advertised and fixed minimum retail prices are now identical—viz., 1s. 3d. per bottle. The proportions of profit allowed to wholesale and retail houses respectively are not varied.

SPONGES should not be described as "mushrooms of the sea," wrote a critic to Francis Newbery & Sons, Ltd., Charterhouse Square, London, E.C., referring to the sponge advertisement in the Winter Number of THE CHEMIST AND DRUGGIST. The reply is given in Messrs. Newbery's announcement in this issue, emphasis being placed on the fact that the sponges, owing to exceptional circumstances, are excellent value, and that the stock is diminishing.

VITAMOGEN.—Williams & Co., manufacturers of Vitamogen, 24 Holborn, London, E.C., have sent us a sample

of their product, the manufacture of which has been much improved since last we referred to it. This has been brought about by the employment of a lower temperature, which, it is claimed, has ensured increased activity of the vitamins. The taste also has been notably improved. Vitamogen is packed in two sizes, selling retail at 2s. and 4s. 6d., and also in bulk for use in institutions.

AMBRINE.—The Anglo-French Drug Co., Ltd., Gamage Buildings, Holborn, London, E.C., send us a sample of Ambrine, the French preparation for treating burns, to which previous reference has been made in THE CHEMIST AND DRUGGIST. Ambrine is a solid waxy substance, which, when required for use, is melted and applied hot to the burn. A film of ambrine remains in contact with the burn, which is thus protected from the air. Healing takes place without scars or contraction of the skin. Ambrine has been used with success for treating the burns of warfare.

OSACOL is the name given by Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., to a new aperient jelly which they have put on the market. It combines liquid paraffin with malt extract and honey, the amount of liquid paraffin being 75 per cent. The jelly is excellent in taste and efficacy. It is a semi-translucent compound, which is put up in novel-shaped containers with a pressed cork bung that fits in like a cork, and is kept in place by a screw top. Each bottle contains half a pound of the jelly, and the cost to chemists is 15s. per dozen.

PEERLESS RUBBER TEATS.—We mentioned a few months ago that the Peerless Seamless Rubber Co., Ltd., Richmond, have successfully overcome the difficulties in the manufacture of transparent and other rubber teats, and are turning out large quantities of these goods. The company now inform us that to meet the demand they have organised a night shift, so that the capacity of their plant is doubled. Moreover, they are installing new machinery so as to cope more fully with export and home requirements. This business is one that has been captured from the enemy, and the support of British wholesale houses, which has been freely given, will need to be continued after the war to place this country in the position to compete in the world's markets.

AN INTERESTING SPEECH in regard to the soap situation was made by Mr. John Wilson Hope at the annual meeting of the shareholders of John Knight, Ltd., over which he presided. A complete report of the speech is inserted in this issue by the company. We recommend perusal of the speech by all, but in view of the Ministry of Munitions' memorandum, regarding glycerin the following statement is of historic interest:

"Although the value of raw materials has materially appreciated in cost, the Government, in order to secure the largest production of glycerin possible, and to protect soapmakers against foreign competition in soaps, prohibited the importation of soaps to the United Kingdom. . . . Soap is one of the few articles that have not been advanced materially in price since the war began. . . . The relative position of the markets for raw materials and the price of soap is that an advance of slightly over 60 per cent. in the price of raw materials has taken place, whereas soap has only been advanced 12½ per cent. . . . It is probable that in the near future a substantial advance in the price of soaps will have to be made, and we. . . are looking forward to such a regulation of the price as will return a fair profit to all makers."

ORGANO-THERAPEUTIC PRODUCTS.—It seems but yesterday since Brown-Séquard's experiments with testicular extract became known to the medical profession, and Zola made it known to the world at large (1889). Few people then anticipated what a remarkable change would be made in therapeutics, and that extracts of glands and other parts of the human body would rank among the most reliable therapeutic agents. The late Sir Victor Horsley's work on thyroid, with the remarkable results that it had in the treatment of myxoedema and cretinism, extended the belief in such treatment, and the progress has been so great that organo-therapeutic products now constitute a department of medicine, which carries with it an assurance that the remedies included are in many respects surer in the treatment of diseases than traditional methods, and it is desirable that dispensing chemists should be familiar with the principles of the new methods. These are admirably explained in a pamphlet on "Organo-Therapeutic Products" issued from the Bacteriological Research Laboratories, Higher Runcorn, Cheshire. This explains the principles of hormone-therapy in the first part, and the second describes preparations and uses of organ extracts. Then follow a note on dosage and a table of therapeutic indications wherein each part, such as bile, is mentioned, along with the therapeutic indications for use of the extract, with the average dose. This is followed by a price-list of organo-therapeutic products as issued by Evans Sons Lescher & Webb, Ltd., Liverpool, London, and New York.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Parliament reopened on Wednesday, February 7, when the King's Guard was composed of Australian, Canadian, Indian, Newfoundland, New Zealand, South African, and West Indian officers.

COMMERCIAL TRAVELLERS' RAILWAY FACILITIES.

Mr. J. H. Roberts, M.P., stated in the House of Commons on Monday that an exception cannot be made in the case of commercial travellers in the matter of railway fares, but the whole question is receiving the attention of the Board of Trade.

PHARMACISTS AND THE ARMY.

Our Parliamentary correspondent learns that it is doubtful whether the War Office authorities will take any steps towards the re-organisation of the Army Medical Service at the present moment. In this is included the question which has been repeatedly urged upon them of the rank and pay of pharmacists in charge of military hospital dispensaries.

SUMMER TIME ACT.

The Home Secretary hopes to have the Report of the Committee which was appointed under the chairmanship of Mr. J. W. Wilson, M.P., in regard to the application of summer time this year in his possession this week, and his decision in regard to its contents may be expected to be made known at an early date. An Order in Council will shortly be issued directing that public clocks shall be advanced one hour at 2 A.M. on April 8, and put back an hour at 2 A.M. on September 23.

IMPROPER ADVERTISEMENTS.

One of the few departmental measures to be introduced this Session will be a Bill dealing, *inter alia*, with improper advertisements. Upon previous occasions the Home Office has had this matter in hand, and a Bill is actually in existence in Whitehall, based, it is understood, upon the recommendations of the Joint Select Committee which sat some years ago under the chairmanship of Earl Beauchamp. One of the recommendations was that all offences in regard to improper advertisements should be dealt with summarily and left to the discretion of the Magistrates. The Select Committee on Patent Medicines also considered the matter, and recommended that the Indecent Advertisements Act should be amended on the lines of Lord Bray's Report—that the advertising and sale, except by doctors' orders, of certain medicines and of secret remedies, etc., should be prohibited.

THE COCAINE INQUIRY.

The Committee which was appointed by the late Home Secretary, under the chairmanship of Sir C. E. Hobhouse, Bart., M.P., to consider the authorisations granted for the use of cocaine in dentistry, and to advise whether or not they should be continued or modified, and, if continued, in what cases and under what conditions, has completed its inquiry. Mr. J. O'Grady, M.P., Judge Ruegg, Prof. Bayliss, and Mr. Stanley Baldwin, M.P., were also on the Committee, the Report from which has been presented to the Home Secretary. Our Parliamentary correspondent understands that the Committee, as the result of the evidence which was laid before it, did not find that among the people of this country anything exists to justify the description "cocaine-habit." That there has been illicit traffic in the drug as a consequence of the presence of large numbers of Overseas troops in our midst has been abundantly proved at the police-courts and elsewhere. It is believed that no prohibition in the use of cocaine or its substitutes is recommended, but that increased safeguards are suggested to prevent the possibility of its acquisition by those who would be likely to use it for other than medical and dental purposes. It is understood that another recommendation of the Committee is that the unregistered dentist should be required to seek some form of registration at the hands of the local authorities. As the matter at present stands, the Home Office permission to unregistered dentists to purchase preparations containing not more than 1 per cent. of cocaine, for use solely as a local anaesthetic in dental work, has been extended to February 28.

FERTILISERS.

In the debate on the Address on February 8, Sir William Pearce, M.P., made some remarks in regard to British production of sulphate of ammonia and sulphuric acid for the purpose of making fertilisers, and alluded to our requirements in munitions production. He regarded the way that Germany had attacked the nitrogen problem

as one of the greatest achievements of the war, and explained how they had expanded their plant (see *C. & D.*, 1915, II, 410 *et seq.*). Sir William added that from the air Germany is now producing what is equivalent to more than a million tons of nitrate of soda per year. At one time it was not considered a commercial proposition to obtain nitrogen from air without a natural power like water, but Germany has solved the problem by using cheap coal and recovering by-products. To-day she has shown the world a new departure which is going to make nitrate of soda a back number, and vitally affect the price of all ammoniacal and fertilising materials in the future.

Captain Bathurst (who, like Sir William, is a F.C.S.) replied, but touched only upon the supply of sulphate of ammonia and superphosphates. As to sulphuric acid he said that various substitutes have been suggested for it, one of them nitre cake, and they had reason to believe that a certain quantity will be available.

[Nitre cake has been in use for a time, but this reply of the Board of Agriculture's representative does not (after Sir William Pearce's statement) reflect creditably on British science.—Editor *C. & D.*]

Personalities.

MR. FREDK. C. SAVAGE, of J. Savage & Co., Ltd., chemists, Bradford, has been elected on the Executive Committee of the Bradford Hospital Fund (Incorporated).

MR. MICHELL TRICK, chemist and druggist, Newton Oystermouth, Glamorgan, who died October 17, 1916, left estate valued at 1,190*l.* 12*s.* 2*d.* gross, with net personality 329*s.* 2*d.*

MR. J. WYNNE WILLIAMS, chemist and druggist, Wrexham Street, Mold, Flintshire, has been made a Justice of the Peace for the county. At the meeting on February 10 of the Flintshire Insurance Committee, of which Mr. Williams is a member, the Chairman congratulated him, and stated that Mr. Williams had rendered the Committee invaluable service from the start. The Chairman's congratulations were put in the form of a motion, which was carried unanimously.

DR. SCOTT, resident doctor to a large group of rubber estates in Perak, F.M.S., will be in England on holiday and business combined for about four months, dating from May 23. Oldfield's Dispensaries, Ltd., chemists and druggists, Ipoh, F.M.S., will be glad if manufacturers of medicinal preparations, dressings, surgical instruments, etc., would communicate with him in reference to new lines they may be holding which would be of interest to him. London address: C/o Guthrie & Co., 5 Whittington Avenue, E.C.

MR. PERCY CECIL MAGNUS, senior president of Magnus, Mabee & Reynard, Incorporated, essential-oil and chemical merchants, 257 Pearl Street, New York, whose death was announced in the *C. & D.* of December 9, was born in Rome, Georgia. At an early age he entered the retail drug-business, and after a few years became a traveller with French, Richards & Co., of Philadelphia, studying at the same time at the Philadelphia College of Pharmacy. Several years later he went to New York, having secured the agency for the Crown Perfumery Co., of London, England, which he conducted for four years. He then purchased the essential-oil business of The Frank Hill Co., changing the name to Magnus & Lauer. Later, on the death of Mr. Lauer, the firm was incorporated under the style of Magnus, Mabee & Reynard. Two of his sons, Percy C. and Joseph B. Magnus, are associated with the company.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

212/47. Oxygal (Oxygal Co.).	214/26. Finsbury Perfumery
212/33. Lloyd's malarial mixture.	Co.'s products.
212/32. Dr. Replow's preparations.	217/69. Santo'd capsules.
213/21. "Bassoline."	217/38. "Rigram."
214/30. Gowland's lotion.	217/15. Ashworth's hygienic flesh-gloves.

THE LEADING GERMAN DYE-FACTORIES, including the Bayer Co. and Meister, Lucius & Brüning, have decided to contribute four million marks to the national fund for the dependants of soldiers killed in the war.

Observations and Reflections.

By Xrayser II.

Last Week's Meeting

of the Pharmaceutical Council presents several points of interest in current pharmaceutical politics. The President's somewhat tardy explanation of the position it is proposed that Mr. Woolcock should occupy, if returned to Parliament, robs the objections that have been urged against the scheme of most of their force. A redistribution of duties between him and Mr. Glyn-Jones, if it involves no additional expense to the Society, might be far from unwelcome. Mr. Glyn-Jones is a *persona grata* with all pharmacists, and he has our entire confidence. But why were we not told these particulars before? The debate on the proposed revival of divisional secretaryships reveals a sense of unstable equilibrium in the Society, the remedy for which, however, does not, in my opinion, lie in the direction indicated. I was for many years in business in a little provincial town. I never saw or heard of, and I venture to say that none of my three local rivals in the trade ever saw or heard of, any such officer as a divisional secretary, though there must, I suppose, have been one not very far away.

David Clay, the Chemist

in Mr. Roger Wray's novel, to whom Mr. Wilson called attention in your Winter Number, is not so amiable a specimen of his class as the Mr. Spicer of George Gissing's "House of Cobwebs." Mr. Spicer was not a clever or a successful man. He began life as an errand-boy; he never advanced beyond an apprenticeship; and it was only by a small legacy coming to him unexpectedly that after twenty-five years in the trade he was relieved of his fear of dying in the workhouse. Yet he is one of the most gracious and notable figures in the whole of his creator's works, and with his patch of garden, his pipe, a few books, the concertina on which he could play, and that with difficulty, but three tunes, and his single friendship, he will long live in the memory of every sympathetic pharmacist who makes his acquaintance. A less attractive person, but one from whose career as a chemist in business there is more to be learnt, is Mr. Farmiloe, who supplies matter for another tale in the same volume. His career starts where Mr. Spicer's left off—with a legacy, which he devotes to the purchase of a business with a post-office attached. It is a melancholy story, but too severely true.

Mr. Philip's Standard Retail Price-list,

noticed by you last week (for a copy of which I have to thank him), aims at securing for us the highest reasonable rate of profit, and is therefore bound to differ considerably from the minimum price-list of the London County Pharmaceutical Association, the object of which is to indicate the lowest possible price. The differences between the two are, nevertheless, rather startling in some cases. Oxymel scillæ, for instance, is quoted by Mr. Philip at 2*s.* 4*d.* per lb., and by the L.C.P.A. at 1*s.* 3*d.*; acid. oxalic, by the former at 4*s.* 6*d.* per lb., and by the latter at 3*s.*; liq. ammon. fort. by the former at 1*s.* 2*d.*, and by the latter at 9*d.*; syr. rhei at 9*d.* per 4 oz. and 6*d.* per 4 oz. respectively. The differences are even more remarkable where smaller quantities are concerned. Clearly we are as yet a long way from the attainment of uniform prices. I have not seen the pricing guides to which Mr. Philip refers in explanation of his scheme, and can therefore only accept his prices tentatively, but there is apparent occasion for criticism as regards the rate of profit on small as distinguished from large quantities. This may be calculated on some principle, but it escapes me. Why, for instance, should anthem. flor. be sold per oz. at only a penny advance on the pound price, and manna at no advance at all, while fol. sennæ sells by the oz. at a whole shilling above the pound price?

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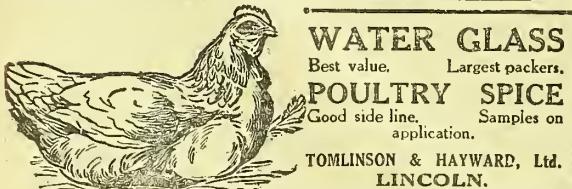
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PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

56 Ludgate Hill, London. REGINALD W. BARKER.

PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6.
 ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/5.
 CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C.

Index Folio 176

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Editorial Articles.

A Glycerin Memorandum.

THE information which we gave last week in regard to the manufacture of pure glycerin and the control of it by the Ministry of Munitions has since been supplemented by a new memorandum, which was issued by the Department on Monday, February 12. It is in the following terms :

Restrictions on the Use of Medicinal Glycerine.

The Ministry of Munitions announces that owing to additional demands for Glycerine for War purposes, it has become necessary to place further restrictions on the issue of Medicinal Glycerine, and that supplies in future will be reserved for the manufacture of the preparations of the British Pharmacopoeia and for such uses of special importance as may be sanctioned by the Ministry of Munitions. These supplies will, however, be small, and must be used with the utmost economy.

Applications for permit to obtain supplies should be addressed to:—The Director of Propellant Supplies, 32 Old Queen Street, Westminster, S.W., and should give the following particulars:

1. Quantity applied for.
2. Stock of Glycerine held.
3. Purpose for which supply is required. (In case of extra British Pharmacopoeia preparations formulae should be given.)
4. Applicant's average yearly consumption of Glycerine for above purposes.
5. Name and address of proposed suppliers.

The Medical profession have been informed of the need for economy in prescribing Glycerine, and it is anticipated that the requirements for dispensing will be greatly reduced. The stocks of Glycerine in the hands of Pharmacists should be sufficient to meet these reduced requirements, and, therefore, no Glycerine will be issued for dispensing meantime.

The surplus stocks held by Pharmacists and all stocks held by retailers who are not in a position to use them for these restricted purposes should be disposed of either to other Pharmacists who are short of stock or to wholesale houses for making B.P. preparations.

This confirms the information given in the C. & D. last week. We then stated that considerable stocks are held by retailers, and it will be noticed from the last paragraph in the memorandum that retailers are recommended to dispose of their surplus stocks to other pharmacists or to wholesale druggists. The latter may be taken as the alternative to the commandeering of such stocks, which the Ministry can do, but so far have not done, and it is desirable that retailers who are fortunate possessors of more glycerin than they can use in accordance with the above memorandum should not wait for the commandeering, as then payment for it may be

only the manufacturer's price, if that—namely, 114s. per cwt. Glycerin is now quoted in very few wholesale price-lists, but we observe that in Evans' February list 1s. 8d. per lb. is quoted for "Glycerin redest. 1.260 Evans," which would be a reasonable basis for retailers to work upon for transactions between themselves. For wholesale quantities such as four 56-lb. tins in cases, 140s. to 150s. per cwt. is at present being offered by wholesalers to retailers for B.P. glycerin. It is particularly desirable that retail pharmacists should confine their use of glycerin strictly to the dispensing of medical prescriptions and the sale, by dispensing or otherwise, of British Pharmacopœia preparations or others which have been sanctioned by the Ministry for medicinal or therapeutical purposes. The Ministry is thus, in fact, strictly conforming to its notification that the supplies available will be reserved for making up B.P. preparations, for essential hospital uses, and for such special purposes as may be approved by the Department. It will not be possible to allocate supplies for dispensing, which means that present stocks held by retailers cannot be replaced when the glycerin is required for dispensing purposes. Nor is it proposed to supply medicinal glycerin for the manufacture of proprietary articles, or in cases, such as malt extract, where use of glycerin has hitherto been possible only under special sanction. It is unlikely that glycerin will continue to be available for making heatograph composition, endorsing-ink, and similar preparations, and all applications will be dealt with on their merits.

Flavine.

THE aniline dyestuff diamino-methyl-acridinium chloride which has been named flavine (a name previously applied to a quercitron preparation) by four investigators at the Bland-Sutton Institute of Pathology of the Middlesex Hospital, and about the antiseptic properties of which we published an article in the Winter Number (p. 102), has been in request by medical men who desire to test its properties. It is not generally known that the manufacture of flavine is covered by a patent, still in force, belonging to Leopold Casella & Co., Frankfort a/M, Germany, and that so far no application appears to have been made for a licence to make flavine in this country. The patent (24652/10) covers the manufacture of 3,6-diaminoacridine and its derivatives, the process described being the only one by which the basic substance can be made readily on a commercial scale. Previous processes were described by Schoepff and Gram, but these were difficult to work. Casella's method consists in heating tetra-amino-diphenyl-methane in solution in mineral acids in the presence of tin salts. The pure diaminoacridine thus obtained is afterwards acetylated, alkylated, and saponified to obtain 3,6-diamino-10-methylacridinium chloride, which is now known as flavine. It is mentioned in the patent-specification that besides being valuable dyestuffs the compounds prepared by the patented methods are specifics against sleeping-sickness and other infectious diseases caused by trypanosomes and similar parasites. The Government recently issued a regulation, under the Defence of the Realm Act, which gives them power to authorise the use and sale of patented processes for drugs employed in the treatment of venereal diseases without the users being liable for damages through such infringement. What appears to be required is an extension of this regulation to cover the use of flavine until such time as a manufacturer obtains a licence to make it by the patented method.

Index to Volume LXXXVIII.

As stated in previous issues, we shall supply the Title-page and Index for the volume of THE CHEMIST AND DRUGGIST for 1915 to all subscribers who write to us for it. We suggest that they should ask for this by postcard addressed to THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

Export Merchant Shippers' Issue.

THIS annual issue of THE CHEMIST AND DRUGGIST is specially designed to assist shippers in regard to chemical

and drug-trade supplies. It is profitable and useful, and we shall publish the 1917 issue on March 10. All advertisers should assure themselves about getting space in it by writing to our Publisher.

Earlier Closing for Press.

OWING to the shortage of labour and other conditions affecting the printing trade, the Publisher asks us to advise our advertising friends that it will be necessary in future to put the advertising pages of THE CHEMIST AND DRUGGIST to press on Tuesday instead of on Thursday morning. Advertisers will assist us greatly, therefore, by sending in their copy so that it reaches 42 Cannon Street on Saturday morning previous to the date of issue. This will enable our printers to prepare and submit proofs should these be required.

Chemists' Lozenges.

THE DECISION in regard to the supply of lozenges and cachous by chemists which the Food Controller has given, as a result of the matter being brought to his notice by THE CHEMIST AND DRUGGIST, has brought us several letters of appreciation from chemists' lozenge-makers and wholesale druggists. The decision settles a difficulty which had been the cause of uncertainty in both the wholesale and retail trade. Another problem with which lozenge-makers are being faced is to obtain a sufficient supply of sugar for the manufacture of medicated lozenges. This question presses heavily upon those manufacturers whose main business has been the manufacture of medicated lozenges, because they cannot divert to that use surplus sugar which may have been saved through discontinuing the manufacture of sweetmeats.

Points on Spirits.

A FEW CONCESSIONS have been granted to exporters of tinctures by the Commissioners of Customs and Excise bearing on sampling for drawback. As is well known, the prescribed scale for Class A preparations—viz., medicinal spirits, flavouring essences, toilet vinegars and waters, dentifrices, hair-washes, and brilliantines—is one sample from each packing not exceeding 5 proof gals. Now, when articles in Class A are packed with perfumed spirits (Class B), and the quantity of such articles does not exceed 1 gal, the authorities state that samples of such articles need only be drawn occasionally. In packings exceeding 5 proof gals., containing two or more preparations, one sample is required for each 20 gals.—formerly 10 gals.—and the total quantity is extended from 50 gals. to 100 gals. Exporters will recollect that in the case of liniments one variety was always additionally sampled, but in the new order of things the sample of liniment may be counted as one of the preparations.

The "Year-book of Pharmacy."

THE British Pharmaceutical Conference has, since our last issue, sent to members the "Year-book of Pharmacy," containing the report of the 1916 Conference and 432 pages of abstracts from chemical and pharmaceutical journals on *materia medica*, *pharmacy*, etc. The portrait of Dr. David Hooper, who was President last year, is given as a frontispiece. The volume well maintains its reputation as a useful work of reference for chemists and druggists. We should like, however, to register a protest against the incorrect use made of chemical formulæ, which mars the otherwise excellent work of the Editor. Alcohol is referred to throughout as EtOH, and in circumstances which make it certain, in most cases, that the absolute chemical substance ethyl hydroxide is not intended to be used. Ether is also referred to as Et₂O. One gets such expressions as "after boiling with KOH," or "ash treated with HNO₃," and from the context it is obvious that the writer does not mean molecular quantities to be employed, which is the only legitimate use of formulæ in chemical literature.

Organisation of Lady Pharmacists.

THE ASSOCIATION OF WOMEN PHARMACISTS has issued a circular letter to women in regard to their organisation at the present time with a view to taking the place of men who are called up. In the course of this letter reference is made to the desirability of drawing up a complete

register of women pharmacists in the United Kingdom, this to include the work in which each is engaged. Reference is also made to the labour market after the war, when it is expected to be flooded by a large number of partially trained assistants. The Association considers it necessary that there should be a strong union of qualified women to meet this, and now is the time for women to work for the consolidation of their position. As an illustration of the value of co-operation, the letter, which is signed by Miss M. E. Buchanan (President), states that an appeal was made by the Association to the military authorities to recognise the difference between fully and partly trained persons in their dispensaries, and this successfully obtained recognition for the former both as to status and salary. It is proposed to hold a meeting in London soon, but in the meantime all women interested in the subject should communicate with Miss E. J. Hughes, Hon. Secretary, Association of Women Pharmacists, Gordon Hall, Gordon Square, London, W.C.

Corner for Students.

The January "Salt."

THE following are Dr. Dobbin's remarks on the mixture of barium, calcium, and strontium sulphates issued as the January analytical exercise, also his replies to competitors (*C. & D.*, February 10, p. 48):

Boiling dilute hydrochloric acid dissolved practically the whole of the calcium sulphate and part of the strontium sulphate, while some of the latter remained with the insoluble barium sulphate, and accompanied this in the subsequent fusion with sodium carbonate. The analysis of the residue insoluble in hydrochloric acid was easily carried out when the mass resulting from the sodium-carbonate fusion was boiled with water to dissolve the sodium sulphate and the excess of sodium carbonate, and the residue insoluble in water, consisting of strontium and barium carbonates, was dissolved, after thorough washing, in dilute hydrochloric acid. The aqueous extract was to be tested for acid radicals and the acid solution for metals, but one or two mistakes were made in testing the aqueous extract for metals only and leaving the acid solution unexamined (or at least not reported upon). In one case the original fused mass was treated with dilute hydrochloric acid without previous extraction with water, and this treatment, by decomposing the insoluble carbonates in presence of the sodium sulphate, ensured the re-formation of barium and strontium sulphates, whereby the object which it was designed to attain by the fusion was entirely frustrated.

In the analysis of the hydrochloric-acid extract from the original powder a slight precipitate which appeared on the addition of ammonium chloride and excess of ammonia as group reagents was regarded by several students as due to aluminium. It may in some cases have consisted partly of strontium sulphate (which, although appreciably soluble in hydrochloric acid, is considerably less so in ammoniacal solutions), but special examination failed to confirm the presence of aluminium while it revealed that of silicic acid. Additional evidence of silicic acid was obtainable on evaporation to dryness of the filtrate from the barium group and the ignition of the residue, when silica in very distinct quantity, and easily confirmed by the micromosaic-bead test, was left behind after the usual extraction with hot dilute hydrochloric acid to dissolve any magnesium compound, if present.

The yellow precipitate which one or two students observed when testing for the phosphoric-acid radical with ammonium molybdate must be attributed to the silicic acid which passed into solution when the powder was boiled with dilute hydrochloric acid. It is not very generally known to students that a solution of a silicate may yield a yellow precipitate in this test, which resembles that formed in presence of a phosphate. A few experiments carried out with a moderately dilute solution of sodium silicate by boiling it with excess of the usual ammonium-molybdate solution will show that it is unsafe to conclude that a phosphate is present in a solution on the strength of the molybdate test unless silicate, as well as arsenate, has either been proved absent, or, if present, has been removed by appropriate prior treatment. In the present instance solutions from which the silicic-acid radical had been completely removed did not yield any reaction for a phosphate.

To Correspondents.

Digitalin.—The odour which you supposed to be that of sulphur dioxide was due simply to the volatilisation of some hydrochloric acid. Chlorine-water often contains traces of sulphuric acid sufficient to yield a distinct precipitate with barium chloride at once or in a few seconds.

Eglington.—The green flame-coloration which you attributed to boric acid was due to barium. You will note that the latter was present as more than a trace.

Twinkle Star.—A special separation carried out with a gram of the powder to test for magnesium failed to give a positive result. Read what is stated in the general remarks above regarding the phosphoric-acid radical.

Jayjay.—The greater part of the strontium would probably pass into the original hydrochloric-acid solution, and in the barium-group precipitate separated from this solution you did not test adequately for it.

Somme.—When you added lead acetate to the part of the sodium-carbonate extract acidified with acetic acid you should have obtained a precipitate of lead sulphate if the solution had been properly prepared, whereas you report "no precipitate." A curdy white precipitate with silver nitrate must have been due to some chloride introduced in the course of your analysis. We obtained no more than a recognisable turbidity in this test.

Onyx.—We cannot account for your serious error in missing barium, since the report of your work seems to be all in order.

F. J. D..—The aqueous extract from the powder contained little except calcium sulphate. The calcium does not appear to have been nearly completely precipitated from this solution by ammonium carbonate, since you got a precipitate on adding ammonium phosphate to a part of the filtrate from the barium group. Taking this precipitate to be due to magnesium, you added barium hydroxide to the remainder of the filtrate to eliminate magnesium, but the precipitate which you then obtained consisted simply of barium sulphate. Then you tested for metallic radicals in the aqueous extract from the mass obtained on fusing the insoluble portion of the powder with sodium and potassium carbonates, and you report finding barium and calcium therein, whereas this extract should have contained only sodium and potassium sulphates and carbonates, the barium-group metals having been converted into the carbonates, insoluble in water.

Nil Desperandum.—Your Group II. precipitate may have resulted from fusing on insufficiently cleansed platinum foil. If, as you report, you treated the fused mass with dilute hydrochloric acid without previously extracting it with water, you undid the effect produced by the fusion.

Dinah.—It is difficult to reconcile the behaviour you report with the properties of the powder we sent out. Thus, at the outset, you state that the powder dissolved in dilute hydrochloric acid, but this is not correct. What the black precipitate may have been due to which you report as produced by the action of hydrogen sulphide we are unable to surmise.

P. A. A. W..—On repeating your work we got the precipitate which you reported as due to aluminium, but it did not respond to confirmatory tests, and further examination proved that it was due to silica.

Trade-marks Applied for.

(From "The Trade-marks Journal," January 31, 1917.)

- "SIMPLEX PURE GRAPE JUICE" and picture of bunch of grapes ("Simplex" disclaimed); for grape-juice (42). By E. Silva, 9-10 Fenchurch Street, E.C. 374,237.
- Device of clock made from lemon with words "ONE MINUTE LEMONADE" ("One Minute Lemonade" disclaimed); for a lemonade preparation (42). By R. H. Sigrist, "Coombe Haven," High Street, Hanham, Bristol. 375,049*.
- "ULIDIA"; for food-substances (42). By J. C. MacMurray & Co., 39 Victoria Street, Belfast. 375,831.
- "STORTEX"; for a food (42). By The British Diamalt Co., Anchor Street, Bishop's Stortford. 375,878.
- "MONOL"; for all goods (47). By A. K. Hillson & Co., 62 Buchanan Street, Glasgow. 376,078.
- "N O P"; for dentifrices (48). By Société Anonyme "Dentclair," 8 Rue de l'Union, Roubaix, France. 375,122.
- "SHALICO"; for all goods (48). By Jollivet & Co., 17 Wormwood Street, E.C. 375,651.
- "CUTEX"; for perfumery, etc. (48). By Northam Warren Corporation, 9 West Broadway, New York, U.S.A. 375,932.
- "BUNNY"; for perfumery, etc. (48). By Silwood Perfumery Co., 22 Silwood Place, Brighton. 376,202.
- "MEDICURA"; for all goods (48). By C. Midgley, Ltd., 4 Exchange Street, Manchester. 376,324.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—At the meeting of the Insurance Committee last week a request made by the Pharmaceutical Committee for a further sum of 38*l.* was granted. The Clerk reported that the Prescription-pricing Bureau had certified the number of prescriptions dispensed by local chemists during November last to be 11,517, and that he had paid 75 per cent. of the estimated cost. A number of complaints against chemists were reported. An insured person complained that a panel chemist had required him to pay a deposit of 1*d.* on a poison-bottle, which is authorised by the Drug Tariff. In a second complaint a doctor stated that whereas he prescribed forty-eight Blaud's pills the insured person only received forty-two. The chemist stated he had no recollection of dispensing the pills, and said if an error had been made it was purely a mistake for which he expressed regret. No further action was taken in the matter. In a third case a doctor complained that whereas he prescribed an 8-oz. mixture for a patient the chemist only supplied 6 oz. It transpired that the insured person brought a 6-oz. bottle, and that amount of the mixture was dispensed. In a further instance a doctor complained that a prescription for ext. cascar. liq. and mist. alba had not been correctly dispensed. In both these cases suitable warnings were given.

Bury.—At a meeting of the Insurance Committee on February 6, it was reported that for the year ended September 30 last 11,266 prescriptions were dispensed, at an average cost of 4.89*d.*, the average ingredient-price being 2.25*d.*, and the average dispensing price 2.66*d.*

London.—A meeting of the Pharmaceutical Committee was held at Bank Chambers, High Holborn, W.C., on February 13, Mr. A. R. Melhuish (Chairman) in the chair. On a question raised by Mr. Shirriff regarding payments to chemists, it was decided to send a letter to the Insurance Committee on the subject, also inquiring when the payments of the additional 0.3*d.* per prescription are likely to be made to chemists for 1916. Correspondence dealing with the "C.L." stock mixtures was received from the Commissioners. Out of the list of formulæ only four have been selected by the Panel Committee for use in London County—namely, mistura gentianæ alkalina, mistura ferri et strychninæ, mistura stimulans, and mistura tussis. The Insurance Committee is to issue a copy of the formulæ of the four "C.L." stock mixtures to chemists by circular letter. On the subject of the system of pricing prescriptions an animated discussion took place, and it was decided that the matter be adjourned until the next meeting, the Secretary in the meantime to obtain full details. A short discussion took place on circular P.S. 34 and form P.S. 34 (a) on Tariff revision, and this also was adjourned. The Secretary reported on the financial position of the Pharmaceutical Committee, and furnished a full statement of the three years' accounts (1914, 1915, and 1916). Particulars were also supplied as to the Insurance Committee's recommendations on the subject. The Committee decided to forward a resolution to the Insurance Committee, protesting against the use of "Rep. mist.," particularly in view of the fact that it appears that the greater number of doctors using this form of prescribing fail to conform to the conditions laid down by the Commissioners. In regard to the proposed revision of the London Insurance Pharmacopœia, the position of glycerin and sugar was discussed, and it was decided to forward a letter to the Insurance Committee, pointing out the difficulty of obtaining supplies of glycerin and sugar, and asking for a ruling as to the supply of medicines containing these preparations.

Manchester.—A meeting of members of the Pharmaceutical Association and of a special Sub-Committee of the Manchester Insurance Committee was held at the Union Bank Buildings, Piccadilly, on January 16, the business being in regard to the hours of dispensing and on notes for prescribing and dispensing which the latter Committee is preparing. The Home Office Order as to shop closing and darkened streets had resulted in the evening's dispensing being practically completed by 8.15 or 8.20 P.M., and the remainder of the time up to 9 P.M. is really time wasted. This was the Pharmaceutical Committee's reply to statements by Mr. Davies and Dr. Johnstone, whereupon the Clerk to the Insurance Committee read the following letter of January 12 from the Insurance Commissioners:

"It is not the view of the Home Office that the Order requires either that the chemist's shop should be locked, or that every light should be extinguished; and there appears to be no reason, therefore, why the Order should be observed in any area in a manner which would tend to mislead insured persons in the manner indicated above." It was also stated that "The Committee are entitled to expect, therefore, that the observance of the Order by chemists should not encroach upon the facilities previously afforded to insured persons by the dispensing service in the area. While it may be a convenience that the shop should be locked after 8 P.M. in order to exclude customers whom it is not permitted to serve, no objection need be raised to this course, provided that a transparent or otherwise conspicuous notice is exhibited to the effect that the premises are open for dispensing only."

After further discussion it was decided to leave it to the discretion of the individual chemist to terminate his business day when he thinks fit. It was also agreed to send a copy of the Insurance Commissioners' letter to every panel chemist. As to "Notes on Prescribing and Dispensing" which the Insurance Committee propose issuing to doctors and chemists, the Pharmaceutical Committee objected to this: "When medicated waters are prescribed and not specially ordered as B.P. the concentrated waters are to be used." After a lengthy discussion it was agreed to omit this, while the following, "When lint, etc., is ordered by measure two dimensions must be given," was altered so as to read, "Lint should be ordered by weight, but when ordered by measure," etc. Owing to the loss that chemists are suffering by supplying spread plasters cut from the roll it was agreed "That when plasters such as belladonna, etc., are ordered one dimension should not be less than 4 inches, or multiple of 4 inches." It was also agreed that "Any alteration of quantities or ingredients on a prescription must be initialled by the prescriber before it is dispensed." The following will be dispensed as stated:

<i>When prescribed thus—</i>	<i>Will be dispensed as—</i>
Lin. ammon. co. ...	Lin. ammon., B.P.
Liq. soda phenat. ...	Liq. sod. carbolatis, B.P.C.
Lot. plumbi c. spirit.	Lotio plumbi evaporans, B.P.C., only containing 20% meth. spirit instead of rectified spirit.
Tinct. chlorof. et morph. ...	Tinct. chlorof. et morph. co., 1 <i>lb</i> 1 <i>4</i> .
Ung. zinci co. ...	Pasta zinci co., B.P.C.
Chlorodyne ...	Chlorodyne, B.P.C.
Mucilage ...	Mucilage of tragacanth for suspension—unless there would be a danger of incompatibility.
Paraff. molle or vaseline ...	Flav. will be used in every case.
Bandages ...	Unless particulars are given on prescription, white open wove bandages, 2 inches wide and 4 yards long, or for "finger" bandages 1 inch wide and 3 yards long.

Councillor N. J. O'Loughlin presided at a meeting of the Pharmaceutical Service Sub-Committee of the Manchester Insurance Committee held at the Union Bank Buildings, Piccadilly, Manchester, on January 12, when the vacancy on the Sub-Committee, caused by the retirement of Mr. H. Kemp, was filled by the appointment of Mr. J. H. Nidd. A long discussion took place in regard to the complaint of a panel doctor that seven panel chemists had affixed inaccurate directions on medicines prescribed. It was stated that in the majority of cases the words "in water" were omitted from the directions; in one case "every three hours" was written "three times a day"; in another "after water" was put instead of "in water." The replies of chemists to these charges were submitted, and the Sub-Committee decided to write to four of them enjoining the exercise of greater care in future. It was agreed to deal with three other cases under Section 5 (c) of the rules regulating such matters. The Sub-Committee also considered a case where an insured person complained that he had taken a prescription to a panel chemist, who stated that it could not be made until the next day. The chemist now explained that he was out of potassium acetate that was wanted, and could not get it until the next day. After hearing the case the Sub-Committee expressed the view that the prescription should have been returned immediately to the insured person with the advice that it should be made up elsewhere. In the meantime the matter is to be considered under Section 5 (c).

Sheffield.—A meeting of the Pharmaceutical Committee was held on February 7, Mr. H. G. Williams presiding. The Secretary presented a report from the Central Checking Bureau on the September accounts. It was decided that on receipt of particulars from any pharmacist serving with the Colours and not doing dispensing work, and desirous of a transfer, his case be forwarded for consideration. It was resolved to ask the Panel Committee to decide what shall be dispensed on a prescription for lin. alb., as some panel chemists are dispensing lin. alb., B.P.C. while others supply lin. communis of the local Formulary. It was agreed to ask panel chemists to assist in formulating

a time-test for dispensing with a view of improving the Tariff rates for 1918. A strong feeling exists that the prices allowed for dressings on the January Tariff are too low. The Pharmaceutical Society is to be asked to press for a higher remuneration. It was decided to ask the Town Clerk if any special reasons exist why the temporary arrangements made for two months to dispense for the dependants of soldiers and sailors should not be discontinued. It was also decided to ask that the Pharmaceutical Executive Committee press upon the Commissioners the necessity for pharmaceutical representation on each Joint Pricing Committee throughout the country.—At the last meeting of the Insurance Committee, Councillor Blanchard moved an amendment to the fixing by a Special Committee of 3 P.M. as the closing-hour of panel chemists. This was seconded by Alderman Marsh. Councillor Blanchard said it is to be regretted that the Committee as a public body should confirm the Special Committee's recommendation, making the closing-hour for chemists eight o'clock, when every other trade was doing its best to close at 7 P.M. Mr. J. T. Appleton said while not agreeing that eight o'clock is necessary, he should support the Committee's recommendation, as the Special Committee's recommendation was a compromise. The amendment to make the hour 7 P.M. was lost.

Smethwick.—The Insurance Committee met on February 6, and received reports from various Committees. The Medical Benefit Sub-Committee's report referred to the exemption from military service which had been obtained for four chemists, and recommended an appeal for an assistant who dispenses Insurance prescriptions at two shops. The renewal of the arrangement for the payment to panel doctors of a flat rate of 1*l.* per thousand insured persons for the supply of emergency drugs was referred to the Panel Committee. The Finance Sub-Committee authorised the final payments to chemists for October and November, and the advances for December. Complaints made by Approved Societies regarding irregularities by doctors in signing Sickness Benefit certificates were investigated by the Medical Service Sub-Committee, and the doctors concerned were cautioned.

Stoke-on-Trent.—At the meeting of the Insurance Committee on February 1, the question of the hours for dispensing prescriptions was discussed. The Medical Benefit Sub-Committee suggested that the Pharmaceutical Committee should arrange a rota of chemists for dispensing after 8 P.M. It was proposed to refer this back again. Dr. Prendergast suggested a conference between the Panel and Pharmaceutical Committees. Mr. Edmund Jones explained the position of chemists, who had to comply with the Closing Order. There should be no difficulty in arranging a rota of chemists. He suggested also that there should be an extra fee for prescriptions dispensed after hours. The matter was referred to the Panel and Pharmaceutical Committees for a scheme to be drawn up and submitted to the Medical Benefit Sub-Committee.

West Hartlepool.—A meeting of the Pharmaceutical Committee and the Hartlepools and District Pharmacists' Association was held at the Oddfellows Hall, York Road, on January 18. Mr. Thomas Clarkson presided. The Pharmaceutical Committee's expenses for the year 1916 were duly passed. The Secretary is to write to the Secretary of the Pharmaceutical Society respecting the sale of glycerin by small shopkeepers, etc. The supply of medicines under the order of the medical officer for tuberculous patients and maternity and infant welfare centre was considered, and the terms agreed to. The resignation of the Secretary (Mr. A. Timmins) was received and accepted with regret, and he was cordially thanked for his services during the past four years.

Warwickshire.—The Pharmaceutical Committee met at Leamington on January 31, Mr. Hutton presiding. The Clerk reported that the Insurance Committee had consented to the request for advance payment of 6*d.* per script, as against 5*d.* previously, commencing November 1, 1916. The result of the recent ballot was sixty-one for continued dispensing service, two conditional, and one against. It was decided to renew the contract with the Central Checking Bureau under the new scheme, and its report for 1916 up to August was received.

SCOTLAND.

February Prices.—In the February appendix the prices of thirty-four drugs have been altered, fifteen being lower and nineteen higher. Guaiacol carb. has risen from 8*s.* 5*d.* oz. in February 1916 to 15*s.* 5*d.* in February 1917, resorcin from 7*s.* 11*½**d.* to 19*s.* 11*½**d.* in 1917. At such prices economy in prescribing is advised. The discontinuance of syrups and glycerin as purely sweetening agents is also suggested, and the conservation of existing glycerin stocks is imperative since

the manufacture of medicinal glycerin is to be temporarily suspended, as explained in the *C. & D.* last week. The following are the new rates:

Name.	oz. s. <i>d.</i>	dr.	Name.	oz. s. <i>d.</i>	dr.
Acetanilid.	0 4 <i>½</i>	0 1	Ol. ricini ...	0 1 <i>½</i>	—
Acid. acet. sal.	2 8 <i>½</i>	0 5	.. santal.	5 10 <i>½</i>	0 10
“ hydrob. dil.	0 2	0 0 <i>½</i>	Opii pulv.	5 0 <i>½</i>	0 9
“ salicyl.	0 10	0 1 <i>½</i>	Phenacetin.	10 6	1 6
Chloroform.	0 6	0 1	Phenazon.	4 8	0 8
Cocain. hyd.	5s. 11 <i>½</i> <i>d.</i> dr.	1 <i>½</i> dr. gr.	Phenolphthalein.	1 9	1 6 <i>½</i>
Ext. cascara sag. sic.	0 7 <i>½</i>	0 1 <i>½</i>	Pot. permang.	1 4 <i>½</i>	0 2 <i>½</i>
“ ergot.	5 <i>d.</i> dr.	5 <i>d.</i> gr.	Pulv. eret. ar. c. op.	3 <i>s.</i>	0 0 <i>½</i>
“ opii sic.	10 9	1 6 <i>½</i>	“ opii co.	0 9	0 1 <i>½</i>
Guaiacol carb.	15 5	2 2 <i>½</i>	Resorcin.	19 11 <i>½</i>	2 10 <i>½</i>
Hexamina	0 6	0 1	Sod. benz.	3 0	0 5 <i>½</i>
Hyd. ox. flav.	1 1	0 2	Tab. phenacet.	1 <i>s.</i> 5 <i>d.</i> doz. rate of	
Lin. chlorof.	0 6	0 1	(B.P.C.)		
“ meth. sal. co.	0 11 <i>½</i>	0 2	Tab. phenacet. co.		
“ opii	6 <i>½</i>	0 1	(B.P.C.)	1 <i>s.</i> 5 <i>d.</i> doz. rate of	
Liq. op. sed. (B.P.C.)	9 <i>½</i>	0 1 <i>½</i>	Ung. gall. c. opio...	0 7 <i>½</i>	0 1 <i>½</i>
Ol. olive ...	0 1 <i>½</i>	—	Vin. ipecac.	3 0	0 0 <i>½</i>

Glasgow.—At a meeting of the Burgh Pharmaceutical Committee on February 9, it was agreed to notify panel chemists that the official list of emergency drugs and appliances for practitioners' surgery use is strictly limited, and should not be exceeded in any single order. A similar warning is to be given to the Panel Committee, whose request as to withdrawal of representations on apparent extravagances in 1915 was agreed to. The expenses accounts (72*l.* 5*s.* 10*d.*) for 1916 were passed. It was agreed to issue a circular-letter explanatory of the present position of pharmacists under the latest phase of military conditions, and also in connection with the voluntary war-work scheme. Correspondence was submitted regarding, *inter alia*, non-alcoholic tinctures, suggested extension of Tariff list of appliances, a suggested local Formulary for the use of panel practitioners in the area, and the glycerin and sugar questions. The Glasgow Chemists' Association wrote about sugar, and it was agreed to co-operate with the Association and the Pharmaceutical Society in regard to glycerin and sugar. It was decided that extension of the Tariff list of "appliances" is at present quite impracticable. As to a local Formulary for panel practitioners, the Committee was unanimously and emphatically opposed to any differentiation between insured and non-insured persons.

Selkirkshire.—At a meeting of the County Insurance Committee at Galashiels last week, the Clerk reported that he had received the final credit for 1915. The Chemists' Panel Fund showed an income of 810*l.* 5*s.* 6*d.*, including a balance of 43*l.* 1*s.* 4*d.* from 1914. The total expenditure of the Drug Fund amounted to 672*l.* 19*s.* 2*d.*, including the chemists' share of Bureau expenses, and 16*l.* 5*s.* 10*d.* has to be paid for drugs supplied, leaving a balance of 87*l.* 4*s.* 2*d.*, which is to be paid to chemists as a bonus.

Notes.

THE KEEPING OF MEDICAL RECORDS.—say the Welsh Commissioners, is one of the conditions attached to the payment of the additional grant of 2*s.* 6*d.* per insured person provided by the Exchequer towards the cost of Medical Benefit. We have said so, but our statement has been questioned, hence this quotation.

MILITARY SERVICE AND DISPENSING DUTIES.—All Insurance dispensing chemists of military age should not forget that they, as panel chemists, are under a statutory contract to be in attendance during the recognised ordinary business-hours for the dispensing of National Health Insurance prescriptions, and cannot undertake any duty contrary to such contract, for the due fulfilment of which they have been expressly exempted from military service.

EARLY CLOSING AND INSURANCE DISPENSING.—The Commissioners have recently issued a circular letter to Insurance Committees, pointing out that the Home Office Earlier Closing Order in no way affects any arrangements that may have been made locally for the dispensing of Insurance prescriptions; that it is not the view of the Home Office that the Order requires either that chemists' shops should be locked after 8 P.M., or that every light should be extinguished; and that there is no reason to expect that the observance of the Order by chemists will encroach upon the facilities previously afforded insured persons by the dispensing services in the area. (See also p. 45.)

STOCK MIXTURES.—“The Lancet” is not very enthusiastic about the Insurance mixtures, and, in commenting upon them on February 10, p. 231, says:

“ All medical practitioners engaged in panel practice will have to familiarise themselves with this list, and no doubt will find some interest in endeavouring to calculate back the quantity of each ingredient in a dose of half a fluid ounce.”

The original formulæ were for a dose of each mixture (see *C. & D. Diary*, p. 375). It would have been better if the Insurance Commissioners had simply added to the dose quantities the quantities for 80 oz. The former are for doctors and the latter for dispensers.

MEDICAL ARRANGEMENTS.—An interesting letter from Mr. S. P. Vivian, of the National Health Insurance Commission (England), to the Medical Secretary of the British Medical Association is printed in the "B.M.J. Supplement," February 10. It touches upon the medical record system, and states that the Commissioners do not anticipate difficulty as concerns the provision of drugs by doctors. These are exceptional cases, and the cost of the drugs can be borne by Insurance Committees' funds. The letter also states that the Commissioners are advised that the travelling expenses of members attending meetings of a Panel Committee cannot be regarded as forming part of the Committee's administrative expenses under the terms of Section 33 (2) of the 1913 Act, which section, we may point out, also covers Pharmaceutical Committees.

TARIFF REVISION.—We mentioned last week that the Pharmaceutical Society has started an inquiry with a view to obtaining materials to assist in the Tariff revision for 1918, and we trust that Insurance dispensers everywhere will support their local Pharmaceutical Committees in getting the necessary information. Investigation of N.H.I. prescriptions is being carried out in the Society's Central Checking Bureau, which, it is stated, was instituted for the purpose of protecting chemists' remuneration in every possible way, and not simply for checking prescriptions. The Society now desires to form opinions regarding (1) the payment per hour for dispensing services; (2) the gross profit on drugs, and net profit after allowing for establishment-charges; (3) the question of dispensing-fees; (4) fee for a twenty-four hour dispensing service; and (5) whether or not poison-bottles should be treated in the same way as ordinary bottles.

Associations' Winter Session.

Blackpool.—The annual meeting of the Blackpool and Fylde Pharmacists' Association was held on February 2 at the Palatine Hotel, Blackpool, the President (Mr. J. Laurie) in the chair. The annual report showed that a larger amount of work had been done than in most previous years, and attendances at meetings had also been higher, thus showing that the Association is a "real live one." The report was adopted, as was the balance-sheet of the Hon. Treasurer (Mr. J. F. Blackhurst). It was decided to raise the annual subscription from 2s. 6d. to 3s. 6d. in order to include the capitulation subscription to the Federation of Lancashire Associations. The following officers and committee-men were elected for the ensuing twelve months: President, Mr. J. Laurie; Vice-Presidents, Messrs. H. M. Johnson and J. W. Huddart; Hon. Treasurer, Mr. J. F. Blackhurst; Hon. Secretary, Mr. D. J. Bailey; Hon. Assistant Secretary, Mr. G. A. Clarke; Committee, Messrs. Boothroyd, Lowe, Mallalieu, Greenwood, and Sankey; Auditors, Messrs. O. L. Jaekson and C. R. Gaultier.

Dental Society of Ireland.—The annual meeting was held in the rooms of the Chemists' and Druggists' Society, Waring Street, Belfast, last week, Mr. W. Corbett in the chair. The annual report was read and passed. In this it was stated that, the membership being entirely composed of those registered under the Pharmacy Acts (Ireland), members were able to obtain what they could not so readily have succeeded in doing individually—namely, the very great concession from the Secretary of State of being recognised as authorised persons, and being permitted to continue to use cocaine in their dental practice. The Treasurer's report was passed, after which the following office-bearers were appointed: President, Mr. Wm. Corbett, Crumlin Road; Vice-Presidents, Mr. F. T. Smith, J.P., Antrim, and Mr. T. A. Robb, Lisburn Road, Belfast; Hon. Secretaries, Mr. J. D. Carse, Woodstock Road, Belfast, and Mr. D. S. Bennett, Cahirciveen, co. Kerry; Treasurer, Mr. Joseph Moffet, Donegall Road, Belfast; Committee, Messrs. E. J. Roberts, John Beatty, T. J. Kerr, S. Hill, J. A. McRoberts, T. J. Boyle, H. Connolly, —Carratt, W. Hanna, W. P. Doohan, J. Leavy, S. Suffern, T. Mitchell, J. Gillespie, D. Gray, J. Copithorn, T. Unsworth, and Joseph Holton.

Gloucestershire.—The annual meeting of the Gloucestershire Pharmacists' Association was held at Cheltenham on January 25, Mr. W. H. Hill (President) in the chair. The officers and Committee were re-elected *en bloc*. The question of staff substitution was discussed, so that "B"

and "C" men could be employed in place of men passed for general service, but none of the members present were able to supply any names of substitutes. The sum of one guinea was voted to the Benevolent Fund.

Greenwich.—Mr. C. Happold presided at a district meeting of the South-East London Pharmacists' Association at Mr. Edmund Winzer's, 11 Nelson Street, Greenwich, on February 6. It was agreed to advance the price of malt and oil to 10½d. for ½-lb., 1s. 6d. for 1-lb., 2s. 9d. for 2-lb., and 5s. for 4 lb. It was also agreed to continue the compulsory order closing-hours, and to make 6d. the minimum for a Part I. poison sale, and 2d. for a Part II.; also that 3d. should be the lowest charge for an ointment sold (except boric and zinc, 2d.), and smallest for any liquid or solid which is 5d. per oz. It was decided to get others in the South-Eastern area to agree to these prices. Among other matters referred to was the Early Closing Association's 1844 poster, reproduced in the *C. & D.* Winter Issue, which poster dealt with the district, and all the members agreed that the present condition is a decided improvement on 1844 hours.

Halifax.—The annual meeting of the Halifax Chemists' Association was held at the Old Cock Hotel on February 7, Mr. A. Taylor in the chair. All the officers were re-elected for the ensuing year, as follows: President, Mr. A. Taylor; Vice-Presidents, Messrs. Woodward, J. A. Sutcliffe, and B. C. Hodgson; Hon. Treasurer, Mr. P. W. Swire; Hon. Secretary, Mr. R. V. Sutcliffe. The correspondence dealt with included circular-letters P.S. 32 and 34. It was decided to circulate the minimum retail price-list every two months instead of monthly.

Huddersfield.—Mr. V. Shaw presided at a meeting of the local Chemists' Association on February 13, when it was agreed to entrust the checking of Insurance prescriptions to the Central Checking Bureau. Ten members agreed to help in the work required for the 1918 Tariff. A letter by the Secretary to makers of certain proprietary articles in regard to the prices of the same was submitted. Mr. R. C. Walshaw, who is President of the Huddersfield Chamber of Trade, stated that it is to be reorganised. We observe that Mr. Walshaw has been appointed a member of the Substitution Committee for Military Service for the district.

Irish Assistants.—A meeting of the Irish Chemists' Assistants' Association was held at 38 Upper Sackville Street, Dublin, on February 7, the President (Mr. J. Hogan, Ph.C.) in the chair. The Reception Committee reported that they had met the delegates from the provinces—Mr. P. P. Coffey, Ph.C., and Mr. P. Ronahan, Ph.C.—representing Limerick, Waterford, and Cork, and the delegates reported satisfaction at the progress that is being made in carrying out the objects of the Association. The President said the report was very gratifying, and he believed that the Association would make further headway in bettering the conditions of assistants and benefiting employers at the same time. The report was adopted unanimously. Mr. Blood (the Treasurer) then gave the meeting particulars of the financial position, and he stated that the growth of the Association would necessitate the appointment of a paid Secretary. Other speakers made suggestions for increasing the usefulness of the Association.

Sheffield.—At the invitation of the President and Mrs. H. G. Williams, the members of the Sheffield Pharmaceutical and Chemical Society met on February 8 at a reception and whist-drive at the Imperial Rooms. The guests were received in the Assembly Room, and refreshments were served during the interval of the whist-drive. The prizes were: *Ladies*—(1) Mrs. Bond; (2) Mrs. J. Gilbert Jackson; (3) Mrs. H. H. Greenfield. *Gentlemen*—(1) Mr. F. Medley; (2) Mr. Simms; (3) Messrs. J. C. Gibson and C. H. Hewitt tied, and Mr. Gibson took the prize on cutting. The evening was brought to a close by a vote of thanks to the President and Mrs. Williams for their hospitality.

Society of Pharmacists' Control.—Under this name a union club is being formed, one of its objects being to influence the Pharmaceutical Society, and another will be to keep an eye upon all businesses that are under management, also to help members to secure situations and to provide a guarantee fund for paying assistants two weeks' pay when they stand out. The Society is being formed by company assistants, and more will be heard of it.

Society of Public Analysts.—Mr. George Embrey presided at a meeting held in the Chemical Society's rooms, Burlington House, W., on February 7. In a paper on "The Quantitative Estimation of Mercury in Organic Compounds" Messrs. J. E. Marsh, F.R.S., and O. G. Lye recommended treatment with quicklime, which separates the mercury as a single globule. Mr. W. Partridge criticised Dechan and Maben's process for the detection of rose-petals

in blue pill ("Y.B.P." 1884, p. 566). The method depends upon the production of a bright pink colour when the pill-mass is heated with strong acetic acid. Mr. Partridge considers this to be unreliable, and says the rose-petals can be determined by microscopical examination. Moreover, the characteristic odour persists for at least a year after the mass is made. The annual meeting was also held, when Mr. Embrey was re-elected President, and among the Vice-Presidents elected was Mr. C. A. Hill, B.Sc., F.I.C., President of the British Pharmaceutical Conference.

Ulster Drug-trade Association.—The annual meeting was held in the rooms of the Chemists' and Druggists' Society, 11 Waring Street, Belfast, on February 7, the President (Mr. James Tate, President of the Pharmaceutical Society of Ireland) in the chair. Prior to the business of the annual meeting a presentation was made by the President, on behalf of the Association, to Mr. James Guiler, Ph.C., one of the Hon. Secretaries, on the occasion of his marriage. The President read a letter from one of their Vice-Presidents, Mr. R. W. McKnight, who paid a high compliment to Mr. Guiler's work for the Association. The Association, said the President, has now entered on its thirteenth year, and when they looked back upon what had been done, the past services rendered, the benefits derived, and the status of their organisation, they could not but realise how great had been the work that had been accomplished, and how bright were the prospects for the future. He considered Mr. Guiler worthy of any honour that had been conferred upon him. He had been an examiner for many years to the Pharmaceutical Society. So far as their own Association is concerned they had always admired Mr. Guiler's conduct, his courage, his sense of duty, his ability in everything he had undertaken, and his readiness to carry out any suggestion offered. He was pleased to be the medium of conveying to him and Mrs. Guiler the Association's best wishes for their future happiness, and in presenting him with a silver tea-and-coffee service. Mr. Guiler, in thanking the President, said that in looking over an old minute-book he found the first circular issued in connection with the Association was on February 5, 1902, so that fourteen years have been completed since the first meeting was held. During those years he had tried to do what he could in the interests of the Association. He sincerely thanked the members for their handsome present to himself and his wife. The business of the annual meeting was then proceeded with. Mr. Guiler submitted the annual report, which reviewed the events of the past year. On the motion of Mr. W. J. Hardy, seconded by Mr. W. A. Woodside (Ballymena), the report was adopted. Mr. W. J. Rankin (Treasurer) submitted the financial statement, which showed balance to credit, and was adopted on the motion of Mr. J. Dundee, seconded by Mr. Wm. Martin. The election of officers then took place. Mr. Tate was re-elected President; Messrs. R. W. McKnight and J. D. Carso Vice-Presidents; Messrs. James Guiler and R. H. Orr Hon. Secretaries; Mr. W. J. Rankin Treasurer; and Messrs. W. E. Wilson and R. W. McKnight Auditors. The Committee was re-elected as follows: Messrs. James Dundee, W. J. Hardy, Wm. Haslett, Wm. Martin, D. O. Perry, Samuel Suffern, T. N. Moffitt, John Montgomery, W. E. Wilson, and W. A. Woodside. Votes of thanks concluded the meeting.

West Bromwich.—A meeting of the Executive Committee of the West Bromwich Pharmaceutical Association was held at Mr. Kemsey Bourne's house on February 6. Messrs. Kemsey Bourne and J. Harper were co-opted to the Committee. One guinea was voted to the Benevolent Fund, and it was resolved to purchase a 5*l.* Government bond on behalf of the Association. A list of local retail prices for February was arranged.

Western Chemists.—A meeting of the Western Pharmacists' Association was held at the Restaurant Frascati, Oxford Street, London, W., on February 14, Mr. W. Wilkinson (President) in the chair. The Secretary (Mr. W. E. D. Shirliff) reported on the meeting of the London Pharmaceutical Committee held on the previous day, and answered questions from those present on various phases of Insurance dispensing. Thereafter Mr. C. T. Allen gave an interesting lecture on *X-ray Work for Pharmacists*, which was illustrated by photographs and a demonstration of the working of the apparatus. A résumé of the chief points in the installation was given. Mr. Allen employs a portable set worked from accumulators, but the most interesting part of the lecture was the opinion of the lecturer that the pharmacist's part in radiography would best be limited to taking radiographs to assist local surgeons in diagnosis of injuries to the limbs. Advanced radiography and electro-therapeutics should be left to those who devote

their whole time to the subject. "I would not give up pharmacy for radiography," was how Mr. Allen stated his views. Asked whether radiography pays, Mr. Allen stated frankly that, taking all things into consideration, it did not pay directly, but indirectly the pharmacists who assisted surgeons in diagnosis by means of *x*-rays gain in reputation. Mr. Allen answered many questions from the members, and was thanked for his lecture and demonstration. Finally the meeting dealt with pharmaceutical organisation, and Mr. Barrett gave some hints on the detection of submarines.

Practical Notes and Formulas.

Polishing Liquids and Paste.

The following formulæ are given in "Revue des Produits Chimiques," it being remarked that before the war the Germans supplied a great number of polishes to the Allies, which trade is now extinguished:

Saponaceous Polishes.

This variety contains hard soap, and is employed either by rubbing directly on the surface of the metal or for making liquid preparations used with a brush:

1. White soap	7 parts	3. Copra oil soap	75 parts
Water	26 parts	Prepared chalk	10 parts
Infusorial earth	67 parts	Cream of tartar	
		Zinc or lead	
2. Marseilles soap	17 parts	white,	
Infusorial earth	82 parts	Magnesia of each	5 parts
Tartaric acid	1 part		
		4. Marseilles soap	77 parts
		Emery	15 parts
		Magnesia	8 parts

These soaps are coloured by the use of a solution of aniline red 4 grams in warm water 500 grams, or in the case of solid preparations the dye is dissolved in oil. A third part of the infusorial earth can be replaced by raddle.

As a final polish for metals the following is best:

Magnesium carbonate	30 parts
Spanish white	40 parts
Colcothar	30 parts

To use this a little of the powder is moistened with water, and the mixture rubbed on the surface it is desired to polish, then removed with a linen cloth, and a finish given with a woollen rag.

Polishes for Copper, Brass, and Bronze.

The following formulæ are given with the caution that those containing acids, although they rapidly produce polish, should be avoided on account of the liability to attack the metals:

	A	B	C	D	E	<i>a</i>	G
Rotten stone	150	—	—	—	30	—	—
Tripoli	—	—	—	30	—	20	70
Turpentine oil	—	—	—	—	50	—	—
Oxalic acid	50	20	—	30	—	—	20
Sulphuric acid	50	—	60	—	—	—	—
Nitric acid	—	—	—	—	—	10	—
Black soap	—	—	—	—	30	—	—
Spirit	—	—	—	125	30	—	—
Oil	—	—	—	15	15	—	—
Alum	—	—	8	—	—	20	—
Water	2,000	125	125	1,000	250	200	400

The ingredients are for the most part simply mixed *secundum artem*, but E, which is the best of the formulæ, is best made by dissolving the soap in the water, adding to this the other ingredients, and shaking as in preparing an emulsion.

Polishing-pastes.

1. Finely powdered tripoli	60 grams	2. Carmine	1 gram
Commercial olein	40 grams	White tripoli	200 grams
Ammonia solution	5 drops	Oleic acid	800 grams
Carmine	0.2 gram	Lavender oil	2 grams

The second formula gives a semi-liquid paste. It is added that the final polish should be given with a woollen rag upon which tripoli is sprinkled, and that if the article is badly oxidised it should first be treated with oxalic-acid solution.

PULV. GLYCRRH. CO. is expected to be unobtainable if more sugar is not allowed for medicines.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C., February 15, 5.30 p.m.

A FAIR amount of business is being done in the chemical, drug, and produce markets at generally rising prices, especially for spot supplies. The all-round advance in freights, including American, continues to increase the import cost of all bulky goods, the prices of which generally are tending higher; this affects Mexican sarsaparilla, slippery elm, wild cherry, sassafras, bayberry, euonymus barks, etc. Quinino is dearer on a revival in speculation, and quicksilver is no longer offered by the importers, the result being that second-hand lots have changed hands at a considerable advance. Citric acid has shown good demand for export, and is dearer. Other changes include an advance in civet, canary-seed, coriander, dill, and fenugreek-seed, glucosid and starch-powder, isinglass, formaldehyde, methylated ethers, and sulphur. West Indian distilled lime oil, linseed oil, menthol, Japanese oil of mint, and turpentine are among the lower articles.

Higher	Firmer	Easier	Lower
Citric acid	Canary-seed	Argent.	Lime oil
Civet	Castor oil	proteinic	(W. I. dist.)
Coriander-seed	Coconut oil	Bismuth	Linseed oil
Dill-seed	Hexamine	salicyl.	Menthol
Ethers (meth.)	Pepper	Lemon oil	Mint oil
Fenugreek-seed	Salol	Methyl	(Japan)
Formaldehyde	Tannic acid	salicylate	Turpentine
Glucose		Salicylic acid	
Guaiacol		Terpin	
carbonate		hydrate	
Isinglass			
Paraldehyde			
Pimento			
Quicksilver			
Quinine			
(sec. hands)			
Sarsaparilla			
(V.C.)			
Starch powder			
Sulphur			

Cablegram.

NEW YORK.—Business is fair. *Taraxacum* is dearer at 30c., as is gentian-root at 16c., while belladonna-leaves have also advanced to \$1.50 per lb. Quinine has risen to 75c. per oz. Iodine preparations are all lower: resublimed iodine is now \$3.50, iodoform is \$4.25, potash iodide is \$2.90. Morphine and codeine have both advanced \$1.00 per oz.

ACETANILIDE.—Quotations vary from 2s. 8d. to 3s. per lb., as to quantity and seller. The demand is light, but raw material in U.S. has advanced in price.

ACETIC ACID.—Supplies of 80-per-cent. are coming forward a little more freely from U.S., and this should relieve the scarcity somewhat, especially as the demand for this grade is on the light side. Glacial is eagerly sought for for prompt delivery, but supplies are very difficult to obtain.

ACETYL-SALICYLIC ACID is unchanged, with sales of spot parcels of B.P. quality at 16s. 6d. per lb. The war insurance of from 10 to 15 per cent. on the article imported from U.S. and Canada is a factor to be reckoned with on these high-priced products.

ALBUMEN.—At auction on Tuesday 192 cases prime Chinese hen sold without reserve at from 3s. 0d. to 3s. 1d. per lb.

AMMONIA SULPHATE.—The Food Controller, with the concurrence of the Agricultural Department, has directed that sulphato of ammonia is to be sold at 16s. per ton, delivered at the consumer's station in any part of the Kingdom. The price to consumers who take delivery at makers' works for conveyance otherwise than by railway remains at 15s. 10s. per ton. Purchasers who experience difficulty in obtaining supplies locally should apply to the Secretary, Sulphate of Ammonia Advisory Committee, 84 Horseferry Road, London, S.W.

ARSENIC.—Supplies of Cornish are still very difficult to obtain, and 60s. per ewt. is now quoted for finest powdered.

BARBITONE.—A limited quantity is still obtainable at 110s. per lb. from supplies coming forward.

BERGAMOT OIL.—The spot price for good brands remains at 18s. 6d. per lb.

BISMUTH SALICYLATE.—Second-hand holders have reduced their prices slightly, offering at 19s. per lb. nct.

CANARY-SEED is a little dearer at 80s. to 82s. per quarter for ordinary to good Morocco.

CANTHARIDES.—Good Russian offered on the spot at 18s. per lb.

CASTOR OIL is firmer, Hull make of first pressing offering for forward delivery at 70s. per ton f.o.b. In Liverpool good seconds Calcutta is quoted at 7s. 4d. per lb.

CHAMOMILES.—Old Belgian offer at from 300s. to 310s. per cwt.

CHLORAL HYDRATE.—Swiss make of B.P. quality is still obtainable at 7s. per lb.

CINCHONA.—At auction on Tuesday 528 packages offered, and the bulk sold at firm prices; of East Indian 332 packages offered and sold, comprising Ledgeriana stem chips 8d. to 8s. 4d. and Succirubra shavings at 8d.; of Calisaya 174 bales offered, and about 100 sold at 1s. 5d. to 1s. 5s. 4d. for broken quill and chips; of South American 21 bags offered, and 11 sold at 9s. 4d. for flat. An auction sale of 530 bales (about 42 tons) African (San Thome) will be held in Liverpool on February 16. The auction of pharmaceutical bark to be held at Amsterdam on February 23 will consist of 531 bales and 206 cases Java bark, the total weight being 46,943 kilos., and the quinine content 1,197 kilos. Of the above, 33,593 kilos. are Succirubra and 13,350 kilos. Robusta, of which 20,256 kilos. is root bark.

CITRIC ACID has been in good demand on Russian account, and the spot market has risen to 2s. 10d. to 2s. 11d. per lb.

CIVET is much dearer. Sales have been made at from 10s. to 12s. per lb. as to seller.

CLOVES are rather firmer, with sales of fair Zanzibar up to 8s. 4d. per lb. on spot, closing buyers at 8s. 8d.

COPPER SULPHATE remains quiet at about 6s. 10s. per ton for the usual Liverpool brands for prompt to May delivery.

CORIANDER-SEED is considerably dearer, fair Morocco having been sold at 65s. per cwt. and East Indian at 57s. per cwt.

DILL-SEED has been sold at 32s. per cwt. for East Indian, being dearer, and the market is still advancing.

EGG-YOLK.—At auction on Tuesday 151 casks Chinese hen and 187 casks (liquid) sold, chiefly without reserve and with all faults, including hen at 24s. to 57s. and liquid duck 15s. to 17s. and 32s. to 37s.

ERGOT.—Quiet, with sound Russian offering at 2s. and weevilly at 1s. 6d. to 1s. 7d. on the spot.

ETHERS.—Makers have advanced their prices 4d. to 5d. per lb. for ethers prepared from industrial methylated spirit, and now quote s.g. .720 at 2s. 4d., .730 at 2s. 1d., and .750 at 2s. 1s. 4d. per lb.

FENUGREEK-SEED is dearer, 35s. per cwt. c.i.f. terms having been paid for Morocco; the spot quotation is 36s. per cwt.

GENTIAN.—Sales have been made to arrive at 70s. per cwt. ex wharf London.

GERANIUM OIL.—Sales of Bourbon have been made at 14s. per lb., being dearer.

GLYCERIN.—Further restrictions on the use of glycerin will be noted in our Editorial Article. The market has been practically a closed one to dealers and second-hand holders for many months past, as the industrial use has ceased except with the permission of the Ministry of Munitions.

HONEY.—Dealers have done business in small lots, including fair palish set Jamaica up to 100s., and ex auction there are several lots for resale at about 95s. for dark-brown sugary.

HYDROQUINONE is still obtainable from 10s. 6d. to 11s. per lb.

ISINGLASS.—At auction the small quantity of 297 packages offered, and the bulk found buyers at much higher rates.

LEMON OIL is a trifle on the easier side owing to the absence of demand, sellers quoting 4s. 6d. to 4s. 7d. per lb. c.i.f.

LIME OIL.—Fair West Indian distilled is offering at a reduction of 6d. per lb., at 8s. 6d.

LIQUORICE-JUICE.—Italian block on the spot can be had at 190s. to 200s. per cwt. for good brands.

LIQUORICE-ROOT.—Natural Italian is offered at 60s. and decorticated at 100s. per cwt.

MENTHOL is quiet and easier, Kobayashi-Suzuki offering on the spot at from 13s. 1½d. to 13s. 3d. and outside brands at 12s. 9d.

MERCURIALS.—Although makers' quotations are unchanged, prices are a matter of negotiation owing to the precarious situation in quicksilver.

METHYL SALICYLATE is offering at from 4s. 9d. to 5s. per lb.; demand is still fair.

MILK-SUGAR.—Colonial make of B.P. quality, equal to the best Dutch powdered, is offered on the spot at 180s. per cwt.

MINT OIL.—Japanese dementholised oil is quiet and easier at from 3s. 9d. to 3s. 10½d. per lb. on the spot as to brand and seller.

OILS (FIXED).—Linseed is easier, closing at 52s. 6d. per cwt. in pipes landed and 53s. 6d. landed in barrels. Cotton-seed is unchanged at 48s. 6d. for crude in pipes, and pale refined in pipes on spot is 51s. 6d. to 52s.; for sweet refined in barrels from 58s. to 60s. is quoted. Rape is steady, with ordinary brown naked on spot offering at 55s. British refined in barrels is 58s. to 59s., and Japanese in eases is 52s. 6d. c.i.f. for February-March shipment. Coconut is firmer at 65s. for Ceylon in hogheads on spot and 63s. in pipes. Cochin on spot is 64s. to 66s., and shipment 64s. 6d. c.i.f. London pressed is 52s. 6d. to 53s., as to delivery. Hankow Wood oil is dearer at 84s. spot, and to arrive 77s. c.i.f. is quoted. Soya is steady; Hull (spot) crushed is 48s. 6d., and in London January-February shipment is 48s. c.i.f. Lagos Palm is firm at 48s. on spot; and 44s. 9d. ex quay Liverpool.

OLIVE OIL.—At auction, in London on February 14, 336 casks (lying in North Shields) sold, in prize, at from 85s. to 92s. per cwt.

OPIUM remains firm at from 36s. to 36s. 6d. on the spot, and at 40s. for Druggists' quality, which continues very scarce.

A Reuter telegram from Shanghai, dated February 9, states that by an agreement concluded with the opium combination the Chinese Government will purchase for medicinal purposes the surplus of certificated stocks of opium remaining on March 31, when the period for the sale of Indian opium in China expires. It is estimated that the number of chests so taken over will be about 2,000, and the price 8,200 taels per chest. Payment will be made in 6 per cent. Government bonds, redeemable in ten years.

PEPPERS are dearer, with buyers of fair Singapore black at 10½d. on the spot. Tellicherry is nominal at 11½d. and Lampung 11½d. White Singapore has been sold at 1s. 0½d. for fair, and buyers, and Muntok at 1s. 0½d. and buyers.

PHENACETIN is more freely offered at 85s. per lb.; competition is becoming keener, and prices may be expected to tend downwards.

PHENAZONE, which has been selling at about 50s. per lb., may possibly go dearer.

PHENOLPHTHALEIN.—Spot values are from 82s. 6d. to 85s. per lb. net.

PIMENTO is dearer at 3½d. per lb. on the spot.

POTASH PRUSSIATE.—Yellow on the spot is obtainable at 4s. per lb.

POTASHES.—First Montreal offer at from 175s. per cwt. on the spot.

QUICKSILVER.—Much dearer and scarce on spot, with supplies practically all under Government control. Although the Baron's price of 19s. 15s. per bottle is unaltered there is nothing to be had at this figure, and it is quite nominal; the market is therefore a dealer's one, numerous small sales having been made at prices varying from 21s. 10s. up to 25s. per bottle.

QUININE.—There has been a revival in the speculative demand, which is principally due to the rapid improvement in the United States, where the makers have raised their price to 75c. (second-hands there quote 90c.). It is beginning to be realised that makers are labouring under great and increasing disabilities in regard to production owing to the scarcity of fuel, cost of raw material, and difficulties of shipment, which renders the position rather more acute. Makers' prices are unchanged, but they are not offering at the moment, and second-hand parcels are changing hands at from 2s. 8½d. to 2s. 9d. per oz. on the spot for the usual brands of sulphate.

SALICYLATES.—It is anticipated that when the crisis in the

United States reaches its climax the position of phenol and its derivatives will undergo a marked improvement. It is therefore doubtful if the prices of salicylates will be further reduced, and buyers should be prepared for any sudden change by seeing that their stocks on the present reduced basis are sufficient. The spot price for salicylic acid is 4s. 3d. to 4s. 9d., and sodium salicylate 4s. 10d. to 5s. per lb. c.i.f.

SALOL.—Some important business has lately been done, and the position is now steadier. Spot parcels command 9s. 6d. to 10s., and to come forward an appreciable reduction would be made, possibly 7s. 6d. to 7s. 9d. c.i.f.

SARSPARILLA.—Holders of Vera Cruz asked the higher rate of 1s. 2d. per lb. net on the spot. Sales have been made at 1s. 1d.

SHELLAC has been firm, the spot value of usual standard TN quality being 160s. per cwt.; fine Orange has been sold at 220s. Sellers of free AC Garnet quote 175s., blocky to caky 170s. Futures are dearer, the sales including March 156s. to 160s. and May 160s. to 163s.

SULPHUR is again dearer at from 26s. to 27s. per cwt. net for Sicilian flowers ex wharf.

TERPIN HYDRATE, with keen competition, is offering at 2s. 1d. per lb. net.

THYMOL is offered at 32s. 6d. per lb., ex ajowan-seed being rather firmer.

TURPENTINE closes lower at 54s. 6d. for American on the spot.)

WAX, BEES'.—At auction on February 13, 83 packages from Portuguese East Africa sold at from 8s. 10s. to 9s. per cwt.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date up to January 24, 1917:

AMMON. CHLOR. has advanced to m.200 per 100 kilos., but the demand can only be partly met.

BENZOATES.—The demand has slightly fallen off. Prices for both acid and soda vary between m.775 and m.800 per 100 kilos.

BISMUTH AND BISMUTH PREPARATIONS have suddenly advanced considerably. The metal itself has advanced from m.29 to m.42.50 per kilo.; the subnitrate by m.10.50, subgallate by m.8, the subsalicylate by m.9 per kilo.

CALCIUM CARBIDE was commandeered on January 12 in Germany; all stocks exceeding 50 kilos. must be declared.

CALUMBA, having long been neglected, is now coming into demand again, and the lots offered at low prices in Hamburg have all been sold.

CARBON TETRACHLORIDE (BENZINOFORM).—Makers cannot furnish any for "free" trade, as raw material has been commandeered for Army purposes, and is made use of in large quantities in hospitals as a substitute for petroleum-ether and benzine. Only very small quantities are consequently obtainable, and from m.260 to m.270 per 100 kilos. is quoted nominally.

CEVADILLA is firm, and the demand increasing.

CINCHONA AND ALKALOIDS.—Quinine is lower in consequence of a fall in the cinchona unit at the Amsterdam allotments. The price is m.5 per kilo. lower for sulphate.

ETHER.—On December 5 the price was reduced by m.9 per 100 kilos., so that duty-free ether s.g. 0.722 is from m.215 to m.225 per 100 kilos.

GUMS AND RESINS.—According to a decree of January 22 stocks of 10 kilos. and more of the following substances must be declared to the authorities, and will be commandeered if necessary: All kinds of pine-resin, colophony, etc., shellac, tragacanth, mastich, gamboge, gum acacia, accroides, copal; carnauba wax, Japanese wax, and Chinese wax. Solutions of shellac are included.

Lycopodium is almost entirely cleared, so that prices have advanced again. Genuine thrice sifted is quoted from m.1,175 to m.1,200, prompt delivery. For delivery at the end of February from m.1,150 to m.1,160 per 100 kilos.

OLIBANUM remains firm. Quantities of any consequence have not been sold.

POTASH PERMANGATE, has been advanced by makers by m.40 per 100 kilos. in consequence of scarcity and high prices. The demand is very active, but only limited quantities are available. Small crystals m.390 per 100 kilos., medium m.400, and bold m.410.

QUICKSILVER.—All imported quantities must be consigned to the official distribution bureaux, and are almost entirely for war purposes.

SENGA is offered in small quantities again at from m.22 to m.23 per kilo., and meets with a ready sale.

TARTARIC ACID.—Lead-free crystals is not obtainable in the open market under from m.18 to m.18.50 per kilo.

VANILLIN is in active demand, but only small quantities are to be had, and m.250 and more per kilo. has already been paid.

Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals in the Port of London during the period January 31 to February 12 inclusive. The countries specified are those from which the goods are consigned. Goods in transit are not included.

Acetic acid (U.S.) 188 brls.	Galy (Fr.) 16 cs.	herring (Jp.) 2,350 cs; olive (Fr.) 236 g., (It.) 150 g., (Sp.) 2,602 g.; rape (Jp.) 2,000 cs; train (Jp.) 1,500 cs; whale 150 dms.; wood (Ch.) 1,610.
Acetyl-sal. ac. (Swz.) 20 cs.	Gentian-powder (Fr.) 20 bls.	Glucose (U.S.) 8,760 cwt.
Albumen, egg (Ch.) 6,5582.	Glycerin, dist. (U.S.) 6t.	G. acacia (B.I.) 100 cwt.
Aloes (U.S.) 50 cs., (Cape) 25	G. aceroides (N.S.W.) 100 cwt.	Opium (Pers.) 19 cs., (H.-Kong) 20 cs., (Gr.) 7 cs.
Amidopyrin (Swz.) 1 cs.	G. chick 86 cwt.	Orris 3 bls., (It.) 98
Ammon. brom. (U.S.) 5 cs.	G. copal 6,303 cwt.	Papain (Cey.) 2 cs.
Ammon. phosph. (U.S.) 125 brls.	G. daunar 3,957 cwt.	Paranitraniline (U.S.) 10 brls.
Ammon. sulphoichth. (Jp.) 10 cs.	G. kauri (N.Z.) 1,552 cwt.	Pepper (S.S.) 2,493 bgs.
Angelica-root 41 bls.	G. sandarac (Mor.) 233 cwt.	Potentiole milk pow. (U.S.) 24 cs.
Angelica-seed 40 bls.	G. tragacanth (Pers.) 914 cwt.	Perfumery, unrated (Fr.) 908t., (Swz.) 302.
Antim. cr. 31 tons	Gums, unrated (Mor.) 209 cwt.	Platinum (Fr.) 130t.
Antim. ore 238 tons	Hair-dye (Fr.) 35t.	Pot. brom. (U.S.) 10 cs.
Antim. reg. (Jp.) 25 tons	Heliotropin (U.S.) 3 cs.	Pot. iodide (Jp.) 50 cs.
Argol (Fr.) 1,888 bgs., (Cape) 869, (It.) 737, (Sp.) 493 pkgs.	Henna-leaves (Fr.) 3 pkgs.	Pot. pruss. (Jp.) 20 cs.
Azyin capsules (Fr.) 5 pkgs.	Herbs, dried (Fr.) 52 bls. 14 pkgs., (Cape) 7, (Jp.) 73	Quinine (Holl.) 121,520 oz.
Barytes (Sp.) 3,000 bgs.	Honey (Cuba) 100 cwt., (Holl.) 520 cwt.	Raspberry syr. (Den.) 500 gal.
Betanaphthol (U.S.) 5 brls.	Horehound herb (Fr.) 16 bls.	Rennet 1,400t.
Burdock-root 99 tbs.	Hydrobromic ac. (U.S.) 10 cs.	Rhubarb (Ch.) 19 cs.
Butyric ether (Swz.) 4 cks.	Hydroquinone (U.S.) 10 kgs.	Rice starch 400 cwt.
Cachou de lavel (Fr.) 73 cks.	Indigo (B.I.) 273, (Jv.) 40	Roots and herbs (U.S.) 146t.
Calc. carbide 9,340 cwt.	Insect-flow. (Jp.) 10	Rosin (Fr.) 600, (Port.) 167
Calc. citrate (It.) 83 cks.	Juniper-berr. (It.) 346 bgs.	Saccharin (U.S.) 1,440 oz.
Camphor (Jp.) 537 cs.	Kola (Jv.) 36 cwt., (Port.) 77 bgs.	Saffron (Fr.) 3 cs.
Camphor oil (Jp.) 369t.	Lactic acid (U.S.) 135 cks.	Salicylic acid (U.S.) 10 brls.
Canary-seed (Mor.) 3,365 tgs.	Lime-juice (B.W.L.) 1,200 gal.	Saltpetre 6,857 cwt.
Cantharides (Jp.) 30	Linseed (B.I.) 28,374 bgs., (Jp.) 1,843t.	Sandalwood (B.I.) 265 bgs.
Carmine 28 cs.	Liquorice-juice (It.) 50 cs.	Sassafras-root (U.S.) 225
Cascarilla 38 bls.	Liquorice-paste (Fr.) 19 cs.	Senna (B.I.) 315 bls.
Casein (Fr.) 9,859t., (B.I.) 2,324t., (N.Z.) 785t.	Liquorice-root (It.) 53 bgs.	Sesame - seed 13,291 bgs.
Cashew-nuts 970 cwt.	Magnesite (B.I.) 31t.	Soap, household (Fr.) 260t.
Chamomiles 36 bls.	Maize-starch (Jp.) 7,691 cwt., (U.S.) 3,300 cwt., (Holl.) 675 cwt.	Soap, toilet (Fr.) 50t.
Chillies (B.E.Af.) 1,228 bgs., (Jp.) 170 bgs.	Menthol (U.S.) 30 cs., (Jp.) 90 cs.	Soda bichrom. (U.S.) 4 brls.
Chloral hyd. (U.S.) 29 cs.	Milk-powder 971 cwt.	Soda caustic 41 cwt.
Chlorophyl (Swz.) 3 cs.	Milk-sugar (U.S.) 62 brls., (N.Z.) 40 cs.	Soda diethylbarb. (Swz.) 3 cs.
Cinnamon 61 bls.	Nutmegs 230 cs. 100 bgs.	Soda salicylate (U.S.) 12 kgs. 19 cs. 10 cwt.
Cochineal 6 cs.	Oils, essential, natural (Fr.) 37 cs., (It.) 154 cks. 15 pkgs., (Sp.) 11 dms. 6 cs., (Holl.) 4 cs., (U.S.) 6 ds. 56 cs., (B.I.) 43 cs., (B.W.Ind.) 77 cs. 4 dms., (Cey.) 26 dms. 5 cs., (China) 15 cs., (H.-Kong) 15 cs., (Jp.) 104 cs., (Java) 67 dms., (Seychelles) 21 dms. 1 cs.; syn- thetic (Fr.) 2 cs.	Soy 100 cks.
Colchicum-root (It.) 7	Oils, fixed: arachis 450 brls.; coconut ref. (Fr.) 280 cs. 200 cks., (Jv.) 1,510 pkgs., unref. (Cey.) 147 pkgs. 23 pps. b pns. 130 hds.; fish (Jp.) 1,250 cs.;	Spices (B.E.Af.) 93 pkgs.
Copaua (U.S.) 45 cs.	Terpineol (U.S.) 15 cs.	Subitol (Jp.) 40 cs.
Copra 55,760 cwt.	Theobromine (Holl.) 2 cs.	Tartar (It.) 71 cks.
Coriander (Mor.) 222	Toilet - powder (U.S.) 619t., (Fr.) 713t.,	Tartaric acid (It.) 45 cks.
Couch-grass 60 bls.	Valerian-root 30 bls.	Terpineol (U.S.) 15 cs.
Coumarin (U.S.) 1 box 25t.	Vanilla (Fr.) 6 cs. (Sey.) 12 cs.	Theobromine (Holl.) 2 cs.
Cream of tartar (Fr.) 20 brls. 93 cks. 148 pkgs., (It.) 100 cks. 8 pkgs.	Wax, bees' (Fr.) 16 cs. 295 pkgs., (B.E.Af.) 206 pkgs., (Mor.) 48 (Chinde) 27 pkgs., (It.) 21 bgs., (Egypt) 9, (Nyasa) 188, (B.I.) 14 cs.	Valerian-root 30 bls.
Cumin-seed (Mor.) 600 bgs.	Wax, paraffin 2,286 cwt.	Vanilla (Fr.) 6 cs. (Sey.) 12 cs.
Dextrin (Jp.) 1,506	Wax, veg. (Jp.) 150 cs.	Wax, bees' (Fr.) 16 cs. 295 pkgs., (B.E.Af.) 206 pkgs., (Mor.) 48 (Chinde) 27 pkgs., (It.) 21 bgs., (Egypt) 9, (Nyasa) 188, (B.I.) 14 cs.
Diamidophenol (Fr.) 2 cs.	Witch-hazel ext. cr. (U.S.) 80 brls.	Wormseed oil (U.S.) 2 cs.
Dinitrochlor. benzol (U.S.) 27 cks.	Yohimbe (Swz.) 2 pkgs.	Yohimbe (Swz.) 2 pkgs.
Dioxogen (U.S.) 90 cs.		
Drugs, unrated (U.S.) 31t., (Fr.) 10t.		
Elder-leaves (Fr.) 15		
Iethyl chlor. (Fr.) 6cs.		
Eucalypt. oil (Vic.) 152 pkgs., (U.S.) 5cs.		
Face-cream (U.S.) 100 cs.		
Farina (Jp.) 4,762 cwt.		
Fennegreek-seed (Mor.) 575 bgs.		
Fullers' earth (Jp.) 5 tons		
Galii (Ch.) 4,100t.		

THE ANNIVERSARY of the opening of the first station in Russia for the manufacture of iodine from the seaweed of the Black Sea was celebrated recently at Yecaterinoslaw. The amount produced—360 lb.—was used for the treatment of wounded soldiers. Iodoform and iodides have also been made, and the quality of the products has more than fulfilled the requirements of the Military Pharmacopœia.—A. M. J.



Mr. Woolcock's Candidature.

SIR,—I, too, found it passing strange that the President of the Pharmaceutical Society should urge upon me that parliamentary representation is of the utmost importance. It may be of the utmost importance to his friend Mr. Woolcock, but not to me. I hope no one will be so foolish as to waste guineas in assisting this worthy gentleman to climb the golden stairs. Who suggested Mr. Woolcock should represent our interests? He certainly has no mandate from us. His régime at the "Square" may have been a most desirable lift on the great road of politics, but it has left pharmacy the poorer in both pounds and prestige. The Council is as clay in the hands of political potters. Will no one have the courage to rid us of such men?

Yours faithfully,
FRANK G. HINES.

The Use of the "Mil."

SIR,—Without wishing to enter into any controversy as to whether it is worth while, considering the smallness of the difference, giving up the familiar term "c.c." for the more accurate "millilitre," will you allow me to point out that Mr. Thomas Maben has fallen into error in his statement (*C. & D.*, January 27, p. 72) that "since the mil is graduated at 4° C. and the c.c. at 15.5° C., it follows that unless we cool down our liquids by a freezing-mixture, measurements in mils must always be wrong"? The cubic centimetre is the volume of a cube with edges one centimetre long; this quantity has no relation to temperature, and is unaffected by it. Of course measures, if such were made, graduated to contain cubic centimetres would be affected by temperature and, if accuracy were required, might only be used at the temperature at which they were graduated. The ordinary cheap graduated apparatus is based on the so-called Mohr's Litre. This is the volume of 1,000 grams of water, weighed in air, at 15° C., and is appreciably greater than 1,000 c.c. It is used for the sake of convenience, but has no legal or official sanction. Such measures cannot legally be used in pharmacy, and it is quite wrong, although the common practice, to mark them as measuring "c.c." Similarly the millilitre is the volume occupied, at 4° C., by one gram of pure water weighed *in vacuo*. This, again, is a definite amount of space, and, once determined, it is unaffected by, and has no relation to, temperature. If the gram of water be warmed it will occupy more than a millilitre, and if a measure changes in temperature its capacity will alter. So if one bought measures graduated at 4° C. it would be necessary to employ a freezing-mixture. But no one does such as thing, and if one did, when the liquid reached the ordinary temperature again it would occupy a larger volume than that measured, and thus be wrong for ordinary purposes. The International Congress adopted as standard measures which, at a temperature of 15° C., contain the standard litre (*i.e.*, the volume which 1,000 grams of water occupy at 4° C.) or fractions of it. The British Pharmacopœia orders measures which, at 15.5° C., contain this volume, while the U.S.P. IX. orders measures which at 25° C. contain this volume, and gives a useful table for calibrating instruments at other temperatures. Thus it will be seen that to measure mils accurately all that is required is to get measures graduated for the temperature at which you intend to use them. In any case these refinements have no practical bearing on the dispensing of medicines, the ordinary "experimental error" being far larger than any differences between the various standards. In analysis, however, it is necessary to pay attention to temperature, and to take care that instruments based on the Standard Litre and on Mohr's Litre are not mixed. The difference between the true millilitre and the true cubic centimetre is too small to affect anything but the most delicate physical experiments.

Yours, etc.,
HAROLD DEANE.
Long Melford, Suffolk.

Subscribers' Symposium.

It Pays to Pay for the "C. & D."

A Subscriber (217/24), writing on February 14, says: "Just a line to say, through perusing your last week's note re Iodides in Market Report, I have had a credit note sent for 1*l.* 17*s.* 4*d.* Personally I should not have known of reduction clause, and beg to thank you for so practically helping the retailer."

Effects of the Frost.

A correspondent in South Wales informs us that during the cold spell he noticed aqua chlorof. (B.P. '85) and aqua roses trip, in a frozen condition. Several bottles of natural saline aperient water which were stored in a room the temperature of which was 28° F. burst completely, and on examination he found the contents to be congealed, presenting a beautiful crystalline snow-like appearance. Toilet-preparations for healing and protecting the skin are in great demand, and glycerin substitutes are being recommended, the public not being backward in giving them a trial.

Jay Macksim

(As he writes them).

Mr. MacKenzie, of Edinburgh, can throw as many bombs as he likes; it won't do any good, I'm afraid.

Trades or professions which need special M.P.s are very dead indeed; two examples are parsons and druggists (of the old school).

Both could be, and will yet be, highly efficient—better positions and treble the income of fifty years ago; and it could be done without a single M.P.

Boots, Ltd., set an example to the drug-trade: efficiency, looking ahead, co-operation with wholesale, proper teaching of staffs, central position of shops.

The public don't want to hear about our superiority; they want *drugs* and "quick at it" (Lancs.).

Nothing can be done with a Pharmaceutical Council like ours—nothing but death or a Health Department to remove them entirely.

I asked the Insurance Commissioners straight, "Can I depend on getting my 100. balances for 1914 and 1915 (for purposes of the War Loan)?" They answer straight, "No; and no hope of any further allocation from Parliament."

My lawyer says, "Discount clause good in law; county court no use." The only thing we can do is to strike for our balances—now.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Starter (202/72).—CHEESE-STARTERS.—See *C. & D.*, October 7, 1916, p. 52.

W. E. M. (208/57).—The formula number you quote is for a worm-powder, not, as you state, for a phosphorus tonic.

Witch (202/71).—Your formulae are suitable for the purpose you desire. We did not receive a previous communication from you.

W. H. S. (200/5).—MARMALADE AND JAMS can be made with glucose alone as the preservative, but generally the practice is to mix sugar and glucose in the proportion of sugar 2 parts, glucose 1 part.

J. W. C. (203/19).—HARNESS-POLISHES.—There is no modern book devoted to harness and saddle dressings, but the subject is dealt with partially in Brunner's "Manufacture of Lubricants, Shoe-polishes, and Leather-dressings" (Scott, Greenwood, 7s. 6d.).

G. W. (186/65).—BOOKS ON MECHANICAL DENTISTRY.—Turner's "American Text-book of Prosthetic Dentistry" (Kimpton, 30s.); Pearseall's "Mechanical Practice in Dentistry"; Wilson's "Dental Mechanics"; Rose's "Dental Mechanics" (five vols., from 2s. to 3s. each).

F. C. S. (205/55).—The age at which reservation begins for works chemists, both single and married, is twenty-seven. There is a footnote, however, to the effect that where the works chemist is under twenty-seven, and is the only man left in that position, he should be treated as in a certified occupation.

C. E. H. (187/36).—BOOKS ON PYROMETRY.—Waidner's "Methods of Pyrometry"; Day and Nostrand's "Measurements of Extreme Temperature"; Burgess's translation of Le Chatelier's "High-temperature Measurements." There is also an article on the subject in Thorpe's "Dictionary of Applied Chemistry" (Vol. IV., p. 445).

A. T. G. (205/34).—DRY-BATTERY MAKING.—It is hardly possible for us to say why you have failed in using the recipe given in the *C. & D.*, January 13, p. 51. The recipe comes to us with excellent credentials. Examine your in-

gredients to see that they are all right before you begin; make up the battery carefully, see that all connections are good and that the lamp is perfect.

F. S. (123/33).—FROSTING GLASS.—It is difficult to suggest a method of frosting glass articles—other than sand-blasting—which will be spirit-proof, seeing that the processes generally involve the employment of varnishes. We believe, however, that you would succeed best by using sodium silicate solution (water-glass), alone or containing in suspension some white substance, such as zinc oxide or barium sulphate.

B. S. G. (198/14).—BAKING-POWDER STANDARD.—There is no official standard for baking-powder, but some analysts have endeavoured to lay down a standard of a minimum of 8 per cent. of carbon dioxide by weight. So far the claims of individuals to enforce standards according to their own particular fancies have been strenuously resisted. It is the function of the Government to fix standards after hearing all views.

J. W. R. (196/42).—UNIVERSAL LINIMENT.—The formula for which you ask is as follows:

Ol. sassafras	...	...	...	...	...	...	...	...	...	...	mxxv.
Ol. terebinth.	...	...	...	...	...	...	...	...	...	...	5j.
Methyl salicyl.	...	...	...	...	...	...	...	...	...	...	mxx.
Ol. camph. ess.	...	...	...	...	...	...	...	...	...	...	5j.
Ol. thym.	...	...	...	...	...	...	...	...	...	...	mxx.

Mix, and add colouring-matter if required.

S. S. (182/54).—BAKING-POWDERS.—The following recipes were given in a Local Government Board Report in 1911 as representing the composition of phosphate baking-powder:

	I.	II.	III.	IV.
Calcium acid phosphate	...	50	37	2
Sodium bicarbonate	...	25	23	1
Maize starch, rice flour, or ground rice	25	40 to 100 to 100

The calcium acid phosphate should be free from calcium sulphate, or at least should not contain more than 10 per cent.

M. P. S. (209/68).—(1) McQueen's "System of Accounts" and Jay Mack's Ledger (which are advertised in our Coloured Supplement) are the works on bookkeeping which are most used by retail chemists. (2) We think that you should begin your studies of advertising and salesmanship by reading Mr. Paul E. Derrick's "How to Reduce Selling Costs" (Newnes, 6s.), a notice of which appeared in the *C. & D.*, December 23, 1916, p. 48. This will give you a good grasp of the principles which have to be considered by manufacturers and others engaged in the selling of goods. (3) The mere fact that a person has the Major qualification will not get him a situation in a pharmaceutical manufactory, but it may be considered to be essential. If the individual can add to it a course of study in chemical engineering and in business knowledge, these will add to his value. Personal abilities which have been improved by education and experience guide the employer in the selection of such an assistant.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Feb. 15, 1867.

United Society of Chemists and Druggists.

A meeting of the Executive Committee on February 7, 1867, was reported. Mr. Henry Matthews, F.C.S., President, was in the chair, and the Secretary laid before the Committee a communication intimating that in accordance with the decision of the public meeting of the trade recently held in London, the Council of the Pharmaceutical Society would be happy to receive a deputation on Tuesday, February 19, at twelve o'clock, and arrangements were made in reference thereto. Subjoined to this report was a report of the London Meeting of Chemists and Druggists held at the London Coffee House Tavern, Ludgate Hill, on Thursday, January 24, 1867, to consider the suggestion of the Pharmaceutical Council for an incorporation of the trade. This dealt with the United Society's report of the meeting, and there followed three pages devoted to the meeting, at which the speakers were: Mr. C. Buott (Secretary), Mr. Henry Matthews, Mr. T. S. Anderson, Mr. Salter, Mr. Yeats, Mr. Buott, jun., Mr. Pass, Mr. Warden, Mr. Huddlestone (Sheffield), Mr. Hornby (Sheffield), Mr. Hudson (Sheffield), Mr. Heppell, Mr. Wade, Mr. Crotch, Mr. Burton, Mr. Betty, and Mr. Cannon.

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, FEBRUARY 17, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

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There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.'

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THE PUBLICITY IT PAYS TO PAY FOR.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

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1.—PICCADILLY. (Near).—For immediate Disposal, high-class Dispensing and Retail Business; returns about £1,200; gross profit between £650 and £700; the business is known to us, and we can recommend it; valuation terms.

2.—SLOANE STREET (Near).—Retail and Dispensing Business; held by vendor upwards of 30 years; returns £2,000; gross profit 50 per cent. (proof given); terms, goodwill £250, stock and fixtures by valuation; good opening for a partnership.

3.—LONDON, S.W. (Favourite Residential Locality).—Old-established Business; Family and Dispensing; returns upwards of £1,400; gross profit about 45 per cent.; terms, valuation of stock and fixtures and sum for goodwill to be agreed equitably.

4.—TOTTENHAM.—Ready-money Business; returning under Manager £1,400 to £1,500, at good prices; books kept by account-ant, and stock taken annually; about £375 required to purchase, £200 on entry and balance by instalments.

5.—KENT (Suburban).—Middle-class Retail and Dispensing Business; no N.H.I.; returns £900; net profit £249; comfortable residence; moderate rental; price £275 on entry and balance, £175, by instalments; full investigation courted.

6.—PORTLAND ROAD STATION (Within easy distance of).—For Disposal through death, good middle-class Business; Retail and Dispensing; excellent position in main thoroughfare; returns about £1,000; scope for considerable extension under energetic management; valuation terms entertained.

7.—MIDDLESEX (Distant Suburb).—Ready-money Business; held by vendor many years; returns over £50 per week; good position in main thoroughfare; comfortable residence, with garden; rent moderate; price about £500; vendor invites the fullest investigation.

8.—FASHIONABLE Seaside Town.—First-class Retail and Dispensing Business, situate in large, good-class town; position unique; returns about £900; capital opening for Chemist well up in Optics; valuation terms; death cause of sale.

9.—SUSSEX (In the Heart of the Country).—Good-class Retail and Dispensing Business; returns show a steady increase, now £826; net profit exceeds £300; full investigation invited; price £650.

10.—HOME COUNTY.—Good-class Retail and Dispensing Business, with Optical connection, in select residential district; returns about £2,500 per annum; terms, valuation of stock and fixtures and sum for goodwill to be agreed equitably.

11.—NEW FOREST.—Mixed Country Business; established about 100 years; returns £800; net profit £300; large double-fronted shop; comfortable residence; price £450.

12.—ESSEX (Health Resort).—Modern Pharmacy, situate in the principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

13.—SOUTH COAST.—Good middle-class Retail, Dispensing, and Photo Sundries; situate in main road in chief business centre; returns between £1,000 and £1,100; net profit exceeds £350; attractive shop and large residence; price £750.

14.—WEST ENGLAND.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PARSON C. BAKER

(Pharmaceutical Chemist),

Trade Valuer & Transfer Agent.

Recommended by The British Drug Houses, Ltd.; Messrs. Meggeson & Co.; Barclay & Sons, Ltd.
Valuer to the Association of Manufacturing Chemists.
1 Mountfield Road, CHURCH END, FINCHLEY, N.
Tel. No.: Finchley 812.

THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,**
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

BATTAM & HEYWOOD

(ESTD. 1837.)

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS.**
Balance Sheets Prepared. Books Audited.
3 DAVIES STREET, BERKELEY SQUARE, W.
Telephone: GERRARD 2169.

BERDOE & FISH

**VALUERS & TRANSFER AGENTS,
35 Jewry Street, Fenchurch Street, City.**
Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.**SOUTHEND-ON-SEA.**

DEATH VACANCY.—Same hands seventeen years. Good-class Light Retail and Dispensing Business. Excellent position, within one minute of the Cliffs and Band-stand. Returns £800, and before the war restrictions did over £300 a year in photographic materials, and will again under normal conditions. Good house, with garden and every convenience. Attractive and well-arranged pharmacy; stock and fixtures worth about £500. Price £600, reasonable offer entertained. Splendid chance for man accustomed to good-class trade. Strongly recommended by our Mr. Fish, who has known this business thirty years.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 90 of the *C. & D. Diary*, 1917.
Have you read it?

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BIRMINGHAM.—£120 for well-fitted and fully-stocked Shop; good house attached; takings £500, increasing; through illness Proprietor will accept £50 down, balance in monthly instalments of 50s.; exceptional opportunity for ambitious man with small capital. Apply, 142/29, Office of this Paper.

BLACKPOOL.—As a going concern, in consequence of sudden illness, the Business of Chemist and Druggist; established 20 years; corner shop; good position, opposite picture palace; a chance of a lifetime to a live business man; worth £350; will take £200 for immediate possession. Apply, "M. A.", 61 Talbot Road, Blackpool.

LILKLEY.—Old-established Business; central position; rent £90; average turnover £800; wine licence. For further particulars apply, Parkin S. Booth, F.A.A., 2 Bixteth Street, Liverpool.

MIDLANDS.—Genuine Business; 12 years' established; no opposition; chance of a lifetime; price £350. Apply, 142/320, Office of this Paper.

FOR immediate Sale, at low figure, nice, compact, old-established Oil, Drug, and Herbal Stores; serious illness of Proprietor, and Manager called up, sole reasons for sale. Apply, H. P. Middleton, Lister Gate, Nottingham.

RETURNS £1,440; old-established Business, pleasantly situated in country town within easy distance of North Wales coast; good house, yard, small garden and warehouses; lease 5 years; rent £26 and rates; business, old-fashioned, profitable Retail, Prescribing, good Specialities and small Dental practice; investigation courted; good introduction, etc.; valuation about £650. "Genuine" (214/41), Office of this Paper.

BUSINESSES WANTED.**AN ENTERPRISING**

and up-to-date Manufacturing Chemist, with commodious premises and female staff, which can easily be augmented if necessary, is prepared to consider the manufacture or packing (and marketing if necessary) of a proprietary or set of proprietaries, with or without eventual prospect of purchase, on reasonable terms; the acquisition of a good selling and remunerative proprietary would be entertained. Particulars to "Proprietary" (144/2), Office of this Paper.

SALES BY PRIVATE TREATY.

STOCK of London Chemist for Sale by Private Treaty.—Shop Fittings, Drugs, Patents, Sundries, Photographic; whole or part at discount from current price list. 143/28, Office of this Paper.

APPRENTICESHIPS.

M. R. W. J. DALBY, 6 Canfield Gardens, Hampstead, N.W., has a vacancy for well-educated youth or young lady as Apprentice; a comfortable home in a healthy and high-class locality; facilities for acquiring thorough knowledge of the business; small premium will be required, which will be returned during the period of apprenticeship.

AGENCIES.

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PORTUGAL.—Advertiser, with good business connection in Portugal, would like to take up the Representation of Manufacturers of Chemical Products, Colours, Essences, etc.; principal office in Lisbon. Write to 141/39, Office of this Paper.

FOR SALE.

CHEMISTS' White Demy, 15 lb. upwards, from 8s. Ream; "Yellow Wove" (blue), 18 lb., 11s. Ream; Greaseproof, 20 x 30, 17 lb., 8s. Ream; Glazed Small Hands, 20 x 30, from 8s. Ream; Sedelitz Blue Demy, 13 lb., 8s. 6d. Ream; also Krafts, Browns, Tissues; carriage paid 5-Ream lots. Merchant, 4 Churchill Road, Homerton, N.E.

NATIONAL Cash Register to be Sold at once; Second-hand; prints receipts; latest type; cheap to early buyer. Write to F. Collender, 26 Streatham Street, Burdett Road, E.

1 FINE Chemical Balance, in Mahogany Glass Case; 1 Counter Scales and Weights; 11 pairs Dental Forceps; 11 Blue Syrup Bottles; 5 Wide-mouth Green 20 oz. Shop Rounds; 10 Narrow-mouth Green 20 oz. Shop Rounds; 4 Narrow-mouth Green 10 oz. Shop Rounds; 10 Wide-mouth White 40 oz. Shop Rounds; 10 Wide-mouth White 20 oz. Shop Rounds; 6 Narrow-mouth White 10 oz. Shop Rounds. All above Bottles are new. Apply to Mrs. Edwards, Manchester House, Newcastle Emlyn, South Wales.

1 LB. Fer et Quin. Cit., 11s. lb.; 4 lb. Bism. Carb., 12s. lb.; 4 oz. Guaiacol Carb., 7s. oz.; 1 lb. Bism. Oxychloride, 11s. 6d. lb.; 4 oz. Pepsin, 1s. 6d. oz.; 1 lb. Aspirin, 18s. lb.; 10 lb. Pot. Brom., 5s. lb.; 2,000 Aspirin Tablets, grs. 5, 15s. 1,000; 6 oz. Ac. Benzoin, 1s. 6d. oz.; 4 oz. Sulphonal, 2s. oz.; 1 lb. Phenazone, 26s. lb.; 2 oz. Morph. Hcl., 12s. oz.; 1 lb. Lithium Carb., 5s. 6d. lb.; 3 lb. Sod. Salicyl., 5s. lb. Apply, 143/26, Office of this Paper.

1 LB. Sodii Iodid., 15s. lb.; 3 lb. Sodii Brom., 5s. lb.; 2 lb. Bismuth Trisnit, 11s. lb.; 2 lb. Bismuth Subgallate, 12s. lb.; 6 oz. Phenazone Tablets, 2s. 6d. oz.; 4 lb. Potass. Sulphurata at 2s. 3d. lb.; one case 60 x 10 oz. Bottles Hnnyadi Janos Water, 27s.; 2½ doz. Jap. Air Pillows, 12s. the lot. "C," 97 Borough High Street, S.E.

18 LB. Pot. Permang.; 14 lb. Camphor Cubes, Jap., ½ oz.; 4 lb. Saocharin Tablets, 330, ½ grain. Lever, 107 Leicester Road, Broughton Park, Manchester.

TO LET.

HANTS.—Opening for Chemist; shop 20 feet by 16 feet, with sitting-room adjoining, 2 kitchens, 5 rooms over, garden, back entrance, electric light, and gas; rent £50. Fuller, Auctioneer, Weymouth.

LEGAL.

IF JOHN TAYLOR, formerly with Mr. Piggott, Chemist, Huddersfield, and afterwards was employed in London, will communicate with Armitage, Sykes & Hinchliffe, Solicitors, Huddersfield, he will hear something to his advantage. Any information relating to him will be gladly received by the above-named firm.

PARTNERSHIPS.

OPPORTUNITY for qualified (preferably Dentist) to join small company owning valuable Proprietaries; share to value of capital invested; not less than £300 considered; only those with energy and initiative need consider; good salary and prospects. Apply, 145/8, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK FEB 10 1917

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This blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BALHAM.—By end of February; Assistant; ineligible; reasonable hours and good salary to desirable man; abstainer; must be thoroughly capable for good-class business; photographic knowledge required; good references essential; state age and full particulars. Cooper, Chemist, 1 Ramsden Road, Balham, London, S.W.

BIRMINGHAM.—Firm of Retail Chemists has an opening for a smart, unqualified man, age about 46, to assist in Stock-taking department; must be quick at figures and well up in the trade; permanency if satisfactory. "Stock" (144/035), Office of this Paper.

BIRMINGHAM.—Qualified Manager required for Light Retail business; permanent berth for satisfactory applicant; good agreement, with interest in the profits offered; applicants must be over 42 or rejected men. "Capon" (144/352), Office of this Paper.

BILSTON.—Wanted at once, qualified Chemist, either lady or gentleman; good salary given to right person. Apply, Samuel Shelley, Ltd., Bilston.

DEWSBURY.—For March 12, good all-round Assistant (outdoors); no Sunday duty. State age, height, experience, salary, etc. (good references required). J. Day, Chemist, Savile Town, Dewsbury.

DONCASTER.—Qualified Manager for small branch shop; lady or gentleman; hours 8 to 6, Friday and Saturday 8; no Sunday duty; single-handed, lock-up shop; comfortable permanency to one willing to accept moderate salary. Apply, with full particulars, to the Secretary, Doncaster Mutual Co-operative and Industrial Society, Ltd., John Street, Doncaster.

EAST SUSSEX HOSPITAL, HASTINGS.—Dispenser required; salary commencing £110 per annum, rising by annual increments to £120; candidates must be duly qualified. Applications, with three recent testimonials, to be sent to the Secretary at the Hospital.

ERITH-ON-THAMES (12 miles below London Bridge).—Capable Assistant required for brisk, Light Retail and Dispensing in manufacturing district; outdoors; close Monday, Tuesday, Wednesday 7.30, Thursday 1, Friday 8, Saturday 9; no Sunday duty; good salary offered to reliable man. In reply, please give fullest particulars, enclosing photo (to be returned), Walter Reeson, 80 High Street, Erith, Kent.

ESHER.—Outdoor Junior Assistant required for good-class Dispensing business in Surrey; some Insurance work. Full particulars and photo to Chapman, Chemist, Esher, Surrey.

FAVERSHAM.—Assistant wanted; lady or gentleman (ineligible); outdoors. State experience, with reference and salary required, in the first letter, to T. J. Thomas, Chemist, Faversham.

HALIFAX.—Wanted a capable unqualified Assistant, lady or gentleman (latter must be ineligible for military service); short hours; no Sunday or holiday duty; a good permanent berth for a capable person. Apply, stating age, height, and salary required, with recent references, to Taylor's (Northern), Ltd., 4 Crown Street, Halifax.

HAMPSHIRE.—Lady or gentleman Assistant (any age), unqualified, at once, salary £2 10s. to £3 weekly, for good-class Dispensing business in beautiful Hampshire village near military camp, where a good business is done; hours are short; shop pleasant to work in; healthy Hampshire pine district. Particulars to Keeble, Chemist, Liss, Hants.

HAYWARDS HEATH.—Capable Assistant (lady or gentleman) required for good-class Retail and Dispensing; outdoors. Full particulars to Selby, Chemist, Haywards Heath, Sussex.

HEREFORD.—Wanted, lady Assistant; Dispensing, Stock, and Counter; hours 9 to 7; no Sunday duty; outdoors. State experience, Walter Merchant, 36 High Town, Hereford.

LEICESTER.—Junior Assistant (lady or gent.) for Dispensing Counter and Galenicals; must have had some Dispensing experience; good opportunity to obtain thorough knowledge. Also one required for branch shop; used to N.H.I. Dispensing. Salary required and references to F. W. Goodess, 25 Market Street, Leicester.

LONDON (Central).—Outdoors, Assistant as Junior for Counter and Dispensing, Frizell & Co., 1 Cranbourn Street, Leicester Square, W.C.

LONDON District.—Unqualified Assistant, age about 46, required for Light Retail and Dispensing business; permanency to a suitable man. "G." (144/351), Office of this Paper.

LONDON, E.—Young lady required who has had some experience in a Chemist's establishment; permanency. "East" (144/353), Office of this Paper.

LONDON, N.W.—Wanted at once, capable Assistant (male); unqualified; quick and reliable Dispenser; ineligible for Army. Apply with full particulars, salary required, &c., to W. R. Ames, High Street, St. John's Wood.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed *o/o* this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

LONDON, S.E.—Junior or Improver (ineligible) wanted at once; outdoors; no Sunday duty; hours 9 to 8, Saturdays 9 to 9, half-day Thursday. Give full particulars and salary required to 75 New Road, Woolwich, S.E.

LONDON, S.E.—Wanted, a qualified for unqualified Assistant with a knowledge of Prescribing and Dispensing, and can manage a small Retail, and is active. Apply, with particulars, salary, references, etc., to D. U. Still, 9 The Village, Old Charlton.

LONDON, S.W. SUBURB.—Lady Assistant for Dispensing and Counter; medium-class Cash business; qualification not essential if competent; must have previous Retail experience and good references. Please state salary expected and full particulars to 146/13, Office of this Paper.

LONDON, S.W.—Capable Assistant; good Counterman and Dispenser, and used to quick Cash business; must be totally exempt or over military age; salary £2 15s.; outdoors; permanency, with good prospects to the right man; highest references essential. Please state full particulars in first letter, 146/130, Office of this Paper.

LONDON, S.W.—Assistant wanted, with good all-round experience, not eligible for the Army. Please state age, experience, references, salary required, and when disengaged (outdoors), to "P. C. A." 189 Wandsworth Road, S.W.

LONDON, S.W.—Young lady Assistant required for high-class Retail and Dispensing business; one who has had a little experience in a Chemist's establishment preferred. Kindly state age and salary required, "Square" (144/350), Office of this Paper.

LONDON, W.—Assistant required; immediate vacancy; one accustomed to West End business preferred. Write or call Rouse & Co., 12 Wigmore Street, W.

LONDON, W.—Wanted (immediately), a capable Assistant; one with previous West-end experience preferred. Apply, personally or by letter, to J. Munro & Co., 273 Regent Street, W.

LONDON PHARMACEUTICAL COMMITTEE have several vacancies on their list for men substitution class—B2, B3, C2, C3—qualified and unqualified; capable men over military age also required; men in substitution class, if not already occupying positions of agreed indispensability, should immediately apply by letter only, giving the following particulars: Age, qualified, experience, salary, married or single, medical classification, to the Secretary, London Pharmaceutical Committee, Bank Chambers, High Holborn, W.C.

MIDDLESBROUGH.—Lady Dispenser wanted for good practice; furnished rooms, coal, light, and attendance. 25s.; previous experience with medical man preferred. Apply, Dr. Body, Yester House, Middlesbrough.

N.E. LANCS.—Qualified Chemist (over military age) required for a permanent, comfortable position in a middle-class Retail business; must be quick Dispenser, the rest easy. State salary, references, photo, and when liberty, first instance, "Chemists" (144/5), Office of this Paper.

NEWCASTLE-ON-TYNE.—Qualified lady or gentleman to manage branch. Mawson & Proctor, Newcastle.

OXFORD.—Messrs. Dolbear & Goodall, 108 High Street, require an Assistant immediately; qualified preferred, but not essential; indoors or out.

PAIGNTON.—Assistant wanted for a good-class Light Retail, Dispensing, and Photographic business; comfortable berth with short hours. State usual particulars and salary required, Pearce, Chemist, Paignton.

ROTHERHAM.—Wanted, a qualified Assistant for Mixed business; ineligible. References and salary required, Davy, Bridgegate, Rotherham.

SHEFFIELD.—Assistant, lady or gentleman, with good experience, for Dispensing department, and able to assist at the Counter if necessary; hours 8.30 to 7 p.m., Saturdays 8.30 p.m. State age, height, experience, qualification, salary, and send photo if possible, G. T. W. Newsholme, Ltd., 27 High Street, Sheffield.

SOUTH OF ENGLAND.—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Smart qualified Manager required for business situate not far from Cardiff; must be a capable Dispenser and good Counterman; good salary and interest in the profits offered to suitable man. "S. W." (144/35), Office of this Paper.

SOUTH WALES.—Qualified Manager (indoors) wanted; high-class business; good salary to capable man. Apply, J. T. Davies, Chemists, Ltd., 13 Walter Road, Swansea.

SOUTHAMPTON.—Wanted, a Junior Assistant (either sex), outdoors, for quick Cash Light Retail business; reasonable hours; no Sunday duty; time allowed for study. State full particulars of experience and salary required to Eley, Shirley Road, Southampton.

STAFFORD.—Wanted, an experienced Assistant (male or female) for a small branch in Stafford; Light Retail and Dispensing. Send full particulars, references, photo, and state salary required, to Fowke & Son, Chemists, Stafford.

WARMINSTER.—Assistant, unqualified, exempt, for good-class business required at once; willing to assist at branch; must be active and temperate; good salary to good man seeking permanency. Full particulars to Frank Cook, Warminster, Wilts.

WELSHPOOL.—Wanted, Assistant; indoors; easy hours; half-day weekly; no night or Sunday duty; good salary to suitable man; qualification not essential. W. Bishop, Chemist, Welshpool.

WESTCLIFF-ON-SEA.—Competent Assistant, qualified or unqualified (ineligible for military service), for Dispensing and Light Retail; congenial and progressive position; in- or outdoors. State full particulars first letter, salary required, and enclose recent photo, Body, Westwood, Westcliff-on-Sea.

A YOUNG lady for Light Retail and N.H.I. Dispensing; Half qualification; give references and salary (outdoors); from 9.30 to 8 o'clock, Sunday 6 to 8, Saturdays to 9 o'clock. Apply, "R. S. B.," 14 Muirkirk Road, Catford. No answer within three days consider declined.

A SSISTANT (with view to succession owing to advancing years) for Dispensing business, with Newsagency and Stationery; good Prescriber and knowledge of Photography essential; scope for Dentistry; no opposition within nine miles. C. Gerring, New Romney, Kent.

A SSISTANT; Surgical Instrument business; competent man of good character for front shop. Address, stating age, duties accustomed to, and wages expected, 120/16, Office of this Paper.

A SSISTANT; unqualified; outdoors; ineligible or over military age; able to take charge if required. Apply by letter, "G. B.," 77 Walworth Road, London, S.E.

A SSISTANT; young; experienced, and ineligible; outdoors; good salary. Apply, Vincent & Co., 94 High Street, Clapham, S.W.

A SSISTANT wanted for March 8; permanency; one accustomed to good Dispensing and Counter work. Pepe, Roach & Son, 8 St. James's Street, S.W.

BRANCH Manager, soon as possible; must be smart man, with good references; will be generously treated. All particulars, in first letter, to "A.," c/o Heath Bros., Blackfriars, Manchester.

CAPABLE qualified Manager for Light Retail business, Mixed; hours 9 a.m. to 8 p.m., 9 on Saturdays, Thursday 1 p.m.; no Sunday duty. State salary required and when disengaged, Fellows, Worcester Street, Wolverhampton.

CAPABLE Assistant wanted; chiefly for Dispensing; qualification not essential. State experience, age, references, and salary required, Anderson and Virgo, Chemists, Worcester.

JUNIOR Assistant (ineligible), or young lady; indoors; seaside town. Full particulars, age, references, salary required, etc., W. H. Woodman, Chemist, Burnham, Somerset.

LADY Assistant wanted; Dispensing and Counter work. Apply, personally or by letter, full particulars, Dean & Co., 320 Roman Road, Bow, E.

LADY Assistant wanted for a Light Country business; hours 8.30 to 6.30; no Sunday or Bank Holiday duties; must have Counter experience. State salary (outdoors). Apply to 145/1, Office of this Paper.

LADY; young; qualified or unqualified; outdoors; with Retail and Dispensing experience; easy hours; every consideration given to desirable applicant; send fullest particulars, salary, experience, references, in first letter. Apply, Fred. J. Oliver, Chemist, Maidstone.

LADY wanted as Junior in best-class Dispensing business; outdoors; two other ladies employed. A. H. Ellithorne, 26 Wellington Road, Oxton, Birkenhead.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME Assistant wanted, evenings, 2 or 3 days a week, or half-days. Burden & Co., 41 Store Street, Bedford Square, W.C.

QUALIFIED lady Dispenser required for the Duke of York's R.M. School, Hutton, Essex; duties light; salary 28s. weekly. Apply, Medical Officer.

QUALIFIED Manager (lady or gentleman) for seaside business; good position; comfortable house; state age, experience, references, and salary required. Apply, 145/5, Office of this Paper.

THOMPSON & CAPPER have vacancies for a qualified and an unqualified Assistant. Write, enclosing photo (if possible), to Minstey Buildings, College Lane, Liverpool.

UNQUALIFIED Assistant (outdoors) for period of war; ineligible for military; Retail and Dispensing, with some knowledge of Photography; good salary to energetic, competent Assistant; easy hours; no Sunday duty. Helsby, Pharmaceutical Chemist, 220 Freewall Street, Grimsby.

UNQUALIFIED Assistants, exempt from military or national service, required for Dispensing and Counter work; salary and commission. Apply, 143/40, Office of this Paper.

WANTED, lady Assistant; Light Retail and Dispensing; also an Improver. State salary, experience, and references, Gibbs, Chemist, Berkhamsted, Herts.

WANTED, competent Assistant (ineligible) for good-class business; permanency; healthy locality, 20 miles from London; house accommodation. Apply, stating salary required, experience, and photo, 142/5, Office of this Paper.

WANTED immediately, competent and reliable Assistant for Light Retail; outdoors; reasonable hours; no Sunday duty. Please state salary required and references, Fredk. Harvey, Chemist, Knaphill, Surrey.

WANTED, thoroughly reliable Manager for shop; salary £3 10s. and commission. Apply to Director, 316 Commercial Road, E.

YOUNG lady Dispensers wanted at once; those able to assist at Counter work preferred; salary and commission. Apply, 145/400, Office of this Paper.

50S. PER WEEK offered to capable Assistant to help in good-class Retail and Dispensing business; four in shop; easy hours. Apply, giving age, references, and when disengaged, to Knight & Crofts, Pharmacists, Hinckley, Leicester.

WHOLESALE.

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CUMBERLAND and Westmorland.—Drug Traveller wanted. State age, experience, and salary required, 215/40, Office of this Paper.

A SSISTANT Forewoman wanted in London Wholesale Druggists' Packed Goods department; one capable of taking control of girl workers. Write, stating age, experience, and wages, to Box 6570, Frost Smith, 66 Finsbury Pavement, E.C.

A SSISTANT required in Laboratory of Manufacturing Chemists: capable of making Tinctures, Infusions, Ointments, etc. State experience and age. Also Porter for Dry Room and Laboratory. Apply, 146/110, Office of this Paper.

DRUGGISTS AND FOOD-STUFFS.—Man wanted as Working Foreman; able to make balsams and all powders, etc.; permanency for good, reliable man; state age, wages, references, experience. Burdall & Burdall, Anchor Works, Sheffield.

DRY Countermen required at once; good wages to experienced men. "W. M. C." Burgoynes, Burbidges & Co., Ltd., East Ham.

EXPERIENCED Invoice Clerk wanted; ineligible or above military age; salary according to ability. Apply by letter with full details, to the Secretary, Wright, Layman & Umney, Ltd., Southwark, London, S.E.

JUNIOR Invoice Clerk (female) wanted by a Wholesale firm of Manufacturing Druggists. State wages and experience. Apply, 146/112, Office of this Paper.

LABORATORY and Wet-room Assistants wanted by Wholesale Drug house in Midlands; must be ineligible. State experience and all particulars, 144/30, Office of this Paper.

MANUFACTURERS of Perfumery and Toilet Sundries require Representative for London and district and South Coast, with good connection amongst Chemists. Apply, stating terms and full particulars, to 215/39, Office of this Paper.

RELIABLE man (over age or exempt) to take control of Invoicing and Despatch department of a busy Wholesale Optical house; must be used to detail and understand export work; good salary and prospects. Apply, in confidence, by letter, to "Despatch" (214/52), Office of this Paper.

TRAVELLER wanted for country; must have absolute knowledge of Druggists' Sundries trade; ineligible. Apply by letter, stating salary required, age, and experience, to "F. E. W.", 1 Chelsea Gardens, Chelsea Bridge Road, S.W.

WANTED, Representative for propaganda work amongst the medical profession; previous experience essential. The Anglo-French Drug Co., Ltd., Gamage Building, Holborn, E.C.

WANTED, services of Russian gentleman conversant with requirements of Russian Fine Chemical, Heavy Chemical, and Drug Trade; must read and speak English reasonably fluently; state experience and salary required. Address 204/59, Office of this Paper.

WANTED, Despatch Clerk; good opening for suitable man. Potter & Clarke, Ltd., Artillery Lane, E.

WANTED at once, by an old-established firm of Manufacturing Chemists, a competent Laboratory Assistant; permanency to suitable man; state experience and wages. 146/11, Office of this Paper.

WANTED, by Manufacturers, a Traveller calling on Chemists in London to take up good Side-line on commission. Apply, 146/12, Office of this Paper.

WORKING Foreman required for fine Chemical Plant; previous experience of Stills and Mixers desirable but not necessary. Apply, stating experience and wages required, in first instance, to 217/62, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

MR. GIBSON (Scott-Ellis Gardens) thanks those who replied to his advertisement last week. There were so many that he is unable to answer each one.

AFULLY-QUALIFIED Pharmacist, with best experience and references, seeks position of Management or chief Dispenser to Hospital or Institution; middle-aged and abstainer; good salary required. 141/4, Office of the Paper.

A MANAGER or Locum, qualified, exempt, with the best of references, twenty years' experience, would like easy berth in West of England or Hastings. State salary, "Chemist," 75 Wellingborough Road, Northampton.

ACTIVE and energetic; unqualified; age 45; abstainer; Manager or Assistant; all-round experience; brisk Store-trade and pushing Counterman; prescribing; extracting; please state remuneration. Write "A. B. C." (146/16), Office of this Paper.

AS Manager or Senior; minor; ineligible; experienced. "Nitram," 28 Crookham Road, S.W.

ASSISTANT or unqualified Manager, good reference, requires permanency; Dispenser, Prescriber, Dental, administer gas, own instruments; married; rejected. 144 Goddard Avenue, Swindon.

ASSISTANT (19), 5 years' good experience, including 3 years' Indentured Apprenticeship, disengaged; excellent references; Wales preferred. Evans, 158 City Road, Cardiff.

ASSISTANT; unqualified; 23; C 3; 8 years' experience; present situation three years. State salary and hours, 144/53, Office of this Paper.

ASSISTANT (outdoors), or Manager; unqualified; middle-aged; married; steady, active, and smart; experienced all round, Dispenser, Counterman, Photographer; country preferred; permanency desired. 144/13, Office of this Paper.

CERTIFICATED lady Dispenser and Bookkeeper, 11 years' experience, desires post with Surgeon or Institution; four years last appointment; permanency; London district or locum (anywhere); disengaged March 6. Apply 142/38, Office of this Paper.

COMPETENT Manager or Assistant; with opportunities for Dental work; own outfit; salary and commission. 146/24, Office of this Paper.

DISENGAGED; Locum; permanency; age 46; reasonable terms; good references. Chemist, 14 Sutherland Place, Bayswater.

DISPENSER (lady), qualified (Hall), experienced, desires post; London or daily distance of Purley. Apply 142/28, Office of this Paper.

DISPENSER (or other light work); elderly; qualified; out-doors; S.W. Country preferred. Apply to 144/15, Office of this Paper.

DISPENSER; 44; military qualification; private, Hospital, or Institution; available March 1; good references; 4 years last post. Driver, 14 Neal Street, Bradford.

ENGAGEMENT wanted. Qualified Assistant or Manager: 43; tall; disengaged shortly; Manchester district or Midlands preferred. 146/2, Office of this Paper.

EVENINGS; tall; first-class varied experience; qualified. 217/54, Office of this Paper.

EXPERIENCED Assistant, unqualified, disengaged; ineligible. State salary, "Rhei" (143/35), Office of this Paper.

LADY Dispenser (Hall and C.M.B.), good testimonials, experienced, desires post; Doctor or Institution; London preferred. Miss E. M. Fisher, King's Langley, Herts.

LADY Dispenser (Hall qualification) requires post; Chemist's shop training; knowledge of Bookkeeping; London or Surrey. 139/19, Office of this Paper.

LADY Dispenser wants post with Chemist; part Hall-qualified. Apply, 142/51, Office of this Paper.

LADY Dispenser (Hall) desires post with Doctor, Junior in Institution, or good-class Chemist. Bateman, 1 Red Lion Court, Watling Street, E.C.

LADY Dispenser desires post with Doctor or Chemist: Half qualification; London preferred. Apply, Norton, Henley House, Summertown, Oxford.

LADY Dispenser (Part Hall) desires work with Doctor or Hospital; 9 months' training; Cardiff or district preferred. Apply 144/32, Office of this Paper.

LADY Dispenser (Hall certificate) desires post as Assistant in or near Loudon. "N. S.", 10 Wendover Road, Harlesden, N.W.

LOCUM, Manager; duration of war or permanency; 45; disengaged; capable and energetic; good all-round experience, including Photography and little Optics. State terms, "M. P. S.", 100 Culverley Road, Catford, S.E.

LOCUM or Branch; 47; good all round; 25 years. Holmes, 31 Newington Crescent, S.E.

A PHARMACEUTICAL Chemist (42), who during 8 years as Managing Director of a large, first-class, one-shop business has increased the turnover by £1,400 and converted a loss of £200 into a net profit of over £500, desires a position offering larger scope for sales organisation to the general public and for business extension, such as Sales Manager or Publicity Organiser, for a firm requiring initiative and ability in securing increased business. 215/50, Office of this Paper.

LONDON DISTRICT.—Evening engagements wanted by Hospital Dispenser; experienced with Doctors. 146/8, Office of this Paper.

MANAGER, qualified, excellent references for business and Pharmaceutical ability, over military age, seeks permanency, view to succession. State salary, prospects, etc., "X. Y. Z." (145/7), Office of this Paper.

MANAGER, Relief, or locum; shortly disengaged; 20 years' all-round experience; unregistered. State salary, "Chemists," 4 College Street, Aberdare.

MANAGER; qualified; good Dispenser, also experienced Prescriber. "Velox," 14 Medina Road, Finsbury Park.

MANAGER, elderly, qualified, thoroughly experienced, wants a position in a small Retail; light duties, short hours; suburbs or Eastern Counties; moderate remuneration. "B. W.," 20 Ridge Road, Stroud Green, N.

MANAGER; qualified; disengaged; active; energetic; highest references; permanency; London or suburbs; good appearance and address. "Chemist," 229 Mortlake Road, Ilford.

MORNING or Evening Dispensing wanted; Eastern district only; qualified man; 15 years present employment. "R.," 76 Southwark Road, Forest Gate, E.

PHARMACIST, 46, who is retiring from Partnership during the next few months, is desirous of getting post with firm, Wholesale or Retail, where energy and initiative will find scope; London district preferred; an intimate practical knowledge of Retail Pharmacy, Photography and Sight-testing Optics; Literary abilities. Address, in first instance, "C. E." (141/25), Office of this Paper.

QUALIFIED Manager; experienced; permanency or locum; South Wales preferred. Davies, Tywrrd, Llwynhendy, Llanelli.

QUALIFIED; age 49; best Dispensing experience; no Optics or Dentistry; disengaged. 145/2, Office of this Paper.

QUALIFIED (25) desires post in Midlands; C 3, conditional exemption; free end of month. 217/23, Office of this Paper.

QUALIFIED; 42; tall; capable; Manager or Managing Assistant; view succession or otherwise; permanency; London preferred. "Anglin" (145/9), Office of this Paper.

SITUATION as Manager; permanent; over military age; qualified, experienced, and well recommended; North of England. "Pharmacist," c/o Berks, 4 Holmfield, Sale, Manchester.

TEMPORARY or Permanency; Major qualification; 45; married; 5 children; highest references. 146/18, Office of this Paper.

TYNESIDE.—Assistant, Manager, or view to purchase; exceptional varied experience; ineligible. "M.," 146 Philip Street, Newcastle-on-Tyne.

UNQUALIFIED lady Assistant requires post in Leicester; 6 years' experience; private and N.H.I. Dispensing, also Retail. Address, 170 Mere Road, Leicester.

UNQUALIFIED; 26; C 3; eight years' Dispensing experience. Smith, 59 Ware Road, Hertford.

UNQUALIFIED; Manage or Assist; experienced; good Salesman and Prescriber; excellent references; disengaged; Locum entertained. "Rose," 184 East Surrey Grove, Peckham, S.E.

WAR Work.—Qualified; 53; active; experienced Dispensing, Sight-testing, Retail; left business some time; open assist 10 to 5 daily where staff depleted due war; Retail or Wholesale; in or near London; terms easily arranged. Apply, 143/27, Office of this Paper.

YOUNG lady Improver; girl between 16 and 17 as help to Dispensing Chemist generally; few months' experience; willing; City or North London preferred. Apply, "Improver" (138/19), Office of this Paper.

YOUNG lady seeks Evening work; experienced in N.H.I. dispensing; part Hall certificate. 143/18, Office of this Paper.

WHOLESALE.

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REPRESENTATIVE.

ADVERTISER, with extensive experience, knowing and known throughout throughout Midlands, desires berth for that or other territory; age 43; 6 ft. 1 in.; commission only houses may save stamps. Apply, 146/22, Office of this Paper.

GENTLEMAN, at present occupying responsible position, desires change: fully experienced in all departments, both warehouse and office. Address 146/15, Office of this Paper.

LADY Traveller, well-known Medical Printers', desires position in any line; good connection; London and suburbs; good references. "E. P." 20 The Gables, Old Town, Clapham Common, S.W.

TRAVELLER, ineligible, disengaged, seeks appointment; good experience of road; selling record and connection; excellent knowledge drug and allied trades; qualified Chemist. "Cortex" (145/39), Office of this Paper.

UNREGISTERED (32), wishes to Represent good house; ineligible for military service. Apply 142/32, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

WOMAN Dispenser, Bookkeeping, Shorthand, Typewriting, care of Instruments, desires post in the Near East, preferably Egypt. "A. D." c/o Miss Harmer, 33 Thornton Road, Wimbledon, S.W.

MISCELLANEOUS.

SHOP FITTINGS (SECOND-HAND), Suitable for Large Pharmacy, or can be adapted as required.—16 ft. Plate-glass Wall-case; 16 ft. Handsome Fixture with Glass-labelled Drawers, Mahogany cupboards, etc.; 12 ft. Plate-glass Fronted Counter with Label Drawers, etc.; 7 ft. Handsome Dispensing Screen; Silent Salesman Case; 6 ft. Bent Plate-glass Counter Case; Desk and Perfume Case; £135 the lot; sketches on application; or would divide. PHILIP JOSEPHS & SONS, 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

Out-of-date Cameras bought.

Chemists often take in exchange an old Camera as part payment for a new one, or have same left on their shelves. We buy these on Cash Terms. Try us.

WATSONS, 84 High St., SHEFFIELD.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Phenazone (141/38) Saccharin tablets (141/38)
Quinine (141/38)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:-

Agurin (142/35)	Morphia hydrochlor.
Anæsthesin (142/35)	(142/35)
Antisclerosin (142/35)	Sergenol tablets (142/35)
Atophan tablets (142/35)	Phenacetin tablets (141/38)
Atropin hypodermic tablets (142/35)	Pot. permang., 30 lb. (144/1)
Benzosol (142/35)	Protargol (142/35)
Beta - naphthol recryst. (142/35)	Santonin tablets and powder (142/35)
Butyl chloral (142/35)	Sodium hippurate (142/35)
Caustic potash, 10 x 1 lb. bottles (144/27)	Sodium nitro prusside (142/35)
Caustic soda, 23 x 1 lb. bottles (144/27)	Stovaine (142/35)
Codeia (142/35)	Sulphonal (142/35)
Ergotinin hypodermic tablets (142/35)	Thiocol (142/35)
Hydrargyrum (142/35)	Ung. iothion (Bayer) (142/35)
Meriodin (142/35)	Veronal tablets, 100 x 7½ grain and 150 x 5 grain (140/40)
Migrainine (142/35)	

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

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FOR DISPOSAL.

BOOKS AND PERIODICALS.

CHEMICAL Society's Journals, 15 years complete, what offers? also Becker's balance, 50 gram; and weights complete, £6. Lloyd, Broad Street House, E.C.

DENTAL.

SIX pairs useful dental forceps. Particulars from Moulton, Queen's Road, Broadstairs.

11 dental forceps, practically new and in perfect condition, offers, or exchange for microscope. Swinglehurst, ~~Pharmacist~~, Barrowford, Lancs.

DRUGS AND CHEMICALS

BLOCK liquorice, 1 cwt. for sale; would divide. Apply, 146/30, Office of this Paper.

15 lb. sodii. salicylas: physiologically pure; what offers? Walton, 67 Bolsover Street, W.

4 oz. resinol, 9s. per oz.; 2 oz. Dr. Ritsert's anaesthetics, at 5s.; ½ lb. each tablets and powder guaiacol carb., 7s. 6d. per oz.; 2 drs. atropine sulph., 30s. R. Evan Parker, 32 Hertford Street, Coventry,

MISCELLANEOUS.

CARTER'S disintegrator, No. 1½; good working condition; sell cheap. Kemp, Druggist, Newcastle.

WANTED.

1 lb. Bayer's paraldehyde. Harley & Watts, Ltd., Crief. WANTED, samples of B.P. drugs for pupil. Apply, 210/66, Office of this Paper.

WANTED, recipes, toilet, medicinal, veterinary, label with price. Samuel Arthur, Chemist, Redruth.

ADJUSTABLE trial frame (6 lens), A. O. Co.'s. Full particulars. Williams, 2 Oriel Road, Portsmouth.

PERSONAL weighing machine, in good condition. J. Swinglehurst, Pharmacist, Barrowford, Lancs.

PHARMACEUTICAL Journal Formulary wanted. J. Swinglehurst, Pharmacist, Barrowford, Lancs.

VERONAL sodium tablets, 5 grains, chocolate coated. State price and quantity. Chalmers, Chemist, Worthing.

WANTED, good bottle-filling machine, purchase or hire; state make and capacity. Lait, 27 Store Street, W.C.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

FIRM of manufacturing Chemists wanted with drying plant, to make dry powders on a large scale. Write, 1535, Sells' Advertising Office, Fleet Street, E.C.

WANTED, boot-polish tins, to hold about ½ lb.; size about 4 in. by 1 in. We are also buyers of liquid metal-polish tins. Samples and prices to "Brytenup," Polish Works, Preston, Lancs.

WANTED, self-adding National cash register to suit small business and to register to £5; must be in good condition and cheap. Write to F. Smith, 30 Midhope Buildings, King's Cross, W.C.

ALYPIN, quinine, potassium bromide, betulol, butyl chloral hydrate; "British Pharmacopœia," 1914; Squire or Martin-de, latest editions; good second-hand cheap copies; 15 seconds pulse glasses. State quantity and price to R. Evan Parker, 32 Hertford Street, Coventry.

Gazette.

Partnerships Dissolved.

HARRISON, C. S., HARRISON, J. A., MARSHALL, C. F., and MARSHALL, T. C., Devonshire Road, Hackney, tooth-brush manufacturers, under the style of Harrison, Marshall & Co., so far as concerns C. S. and J. A. Harrison.

STONES, C. P., and HARRIS, F. G., 1 Langham Road, Seedley, Manchester, laundry chemists, under the style of the Temple Manufacturing Co.

Bankruptcy Acts.

RECEIVING ORDER AND ADJUDICATION.

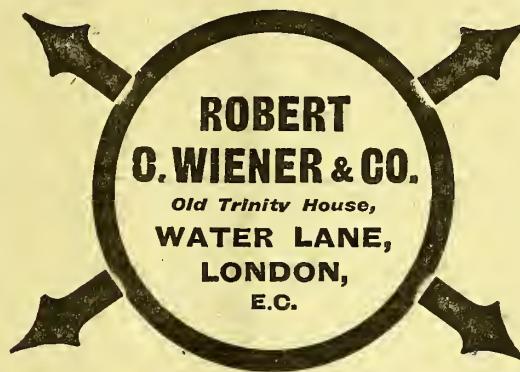
WALGATE, S., 44 Plympton Road, Brondesbury, N.W., and 58 Duke Street, Grosvenor Square, W., homoeopathic chemist, under the style of Leath & Ross.

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PRICE TO TRADE	11/9	29/6	48/9	117/6

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Packages charged 3d. on £2 parcels or under, and 1d. for each extra £1 worth, and are not returnable. Carriage forward.

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Fuller's Earth, fine powder or lump, 5 cwt. @ 8/3 cwt.; 1 cwt. @ 9/6.

Galla Cærul. Pulv., 7 lbs. @ 2/- lb.

Gamboge, English Ground, 7 lbs. @ 5/6 lb.; 1 lb. @ 1/- lb.

Ginger, English Ground, 1 cwt. @ 67/- cwt.; 7 lbs. @ 8d. lb.

Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.

Glycerin, Opt. D. D., 1.260 P.B., 56 lbs. @ cwt.; 12 lbs. @ 1/6 lb.

Glycerin, Acid, Boric, P.B., 6 lbs. @ 2/3 lb.

• Acid, Carbolic, P.B., 6 lbs. @ 1/10 lb.

• Acid, Tannic, P.B., 6 lbs. @ 2/6 lb.

Belladonna, B.P.C., 6 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.

Glycerin, Boracis, P.B., 6 lbs. @ 1/8 lb.

• Pepsin, Acid, P.B., 1 lb. @ 3/6 lb.

• Plumbi Subacet., P.B., 6 lbs. @ 2/4 lb.

Guaiacol Carb., 1 lb. @ 1/- lb.

Guaiacol, pure, 1 lb. @ 1/- lb.

Gum Acacia sorts, 3 cwt. @ 72/6 cwt.; 1 cwt. @ 75/6 cwt.; 7 lbs. @ 2d. lb.; English

Ground Powder, No. 1, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/2 lb.

Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

Gum Catechu Nlg., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1/- lb.

Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.

Gum Juniper, 14 lbs. @ 1/- lb.

Gum Thus Elect., 2½ cwt. @ 48/- cwt.; 28 lbs. @ 52/- cwt.

Gum Tragac. Elect., English Ground, 7 lbs. @ 10/- lb.; 1 lb. @ 11/- lb.

Hedging (Frothing Ess.), 5 lbs. @ 1/4 lb.

Heliotropine, 1 lb. @ 26/- lb.

Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 52/6 cwt.

Hexamethylenetetramine, 7 lbs. @ 3/8 lb.; 1 lb. @ 4/- lb.

Honey, Pale Set, 28 lbs. @ 1/1 lb.

Hydrargyrum, P.B., 10 lbs. @ 6/10 lb.; 1 lb. @ 6/6 lb.; Ammon., 28 lbs. @ 7/11 lb.; C.

Creta, 28 lbs. @ 2/6 lb.; Iodid. Rub., 28 lbs. @ 14/6 lb.; Oxid Rub., 28 lbs. @ 7/10 lb.;

Perchlor., Lump, 28 lbs. @ 7/9 lb.; Subchlor., 28 lbs. @ 7/6 lb.; Sulph. c Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra.

3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.

Hydrokinone, 1 lb. @ 16/- lb.

Ichthyl Ammon. chemical equivalent: Ammon-

Ichthiosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.

Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/9 lb.

• Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.

• Buchu Conc., 1 to 7, 6 lbs. @ 2/9 lb.

• Calumba Conc., 1 to 7, 6 lbs. @ 1/2 lb.

• Caryoph. Conc., 1 to 7, 6 lbs. @ 1/4 lb.

• Cascara Conc., 1 to 7, 6 lbs. @ 1/7 lb.

• Cinchona Acid., 1 to 7, 6 lbs. @ 1/11 lb.

• Gentianæ Conc., 1 to 7, 6 lbs. @ 1/4 lb.

• Quassia Conc., 1 to 7, 6 lbs. @ 1/- lb.

• Rhei Conc., 1 to 7, 6 lbs. @ 1/10 lb.

• Rossa Acid. Conc., 1 to 7, 6 lbs. @ 2/11 lb.

• Seneca Conc., 1 to 7, 6 lbs. @ 2/8 lb.

• Valerian Conc., 1 to 7, 6 lbs. @ 1/10 lb.

Insect Powder, Opt., English Grd., closed flowers, 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/10 lb.

Iodoform Pulv. B.P., 7 lbs. @ 18/- lb.; 1 lb. @ 18/6 lb.

Iodum, resub. B.P., 7 lbs. @ 14/11 lb.; 1 lb. @ 15/8 lb.

Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 2/- per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.

Licorice Juice, Sticks, 1 cwt. @ 190/- cwt.; 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.

Linseed c. Oil, Crushed, 3 cwt. @ 38/6 cwt.; 1 cwt. @ 40/- cwt.

Liq. Ammonia Acetatis Conc. 1-7, 6 lbs. @ 1/2 lb.; 1 lb. @ 1/6 lb.

Menthol, dry white cryst., 60 lbs. @ 14/- lb.; 5 lbs. @ 14/8 lb.

Mist. Senna Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.

Morphina Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/6 oz.; 16 oz. @ 14/9 oz.; 8 oz. @ 15/- oz.; 1 oz. @ 16/- oz.; Pur.

Princip. Bimecate or Tart., 1 oz. @ 19/- oz.

Morphina Diacetyl., 4 oz. @ 21/- lb.; 1 oz. @ 21/6 oz.; Hydrochlor., 6d. per oz. less.

Myrrh, Gum, English Ground, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

Naphthalene, Candles, 7 lbs. @ 7½ lb.

Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½ d. lb.

O. Amygdal. Ang., B.P., 9 lbs. @ 2/10 lb.

O. Anethi Ang., B.P., 1 lb. @ 30/- lb.

O. Anisi, E.l., 66 lbs. @ 3/8 lb.; 16½ lbs. @ 4/- lb.; 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/8 lb.

O. Aurant, 12 lbs. @ 10/6 lb.; 1 lb. @ 1½/- lb.; not guaranteed absolutely pure.

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O. Camphor. Essent., White, 40 lbs. @ 8½ d. lb.; Brown, 40 lbs. @ 120/- cwt.

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O. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.

O. Citronella, 9 lbs. @ 2/3 lb.

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O. Gynocardia, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.

O. Jnniperi Ligne Exot., 9 lbs. @ 9/- lb.

O. Lavand. ab Flor., 5 lbs. @ 17/- lb.; 1 lb. @ 18/- lb.

O. Menth. Pip. English, 5 lbs. @ 52/- lb.; 1 lb. @ 52/6 lb.; Hotchkiss original bots, 21 oz. each @ 15/9 lb.; 6 bots. @ 15/6 lb.; 18 bots. @ 15/- lb.; American, 20 lbs. @ 11/- lb.; 4½ lbs. @ 11/6 lb.; 1 lb. @ 12/- lb.; Japanese, 60 lbs. @ 4/6 lb.; 5 lbs. @ 5/- lb.

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O. Pulegi E.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.

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O. Rosmarini, Com., 28 lbs. @ 2/3 lb.; 9 lbs. @ 2/6 lb.; B.P., 9 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.

O. Santal. Flav. Ang. B.P., 5 lbs. @ 52/6 lb.; 1 lb. @ 53/6 lb.

O. Sassafras, genuine, 28 lbs. @ 3/10 lb.; 1 lb. @ 4/5 lb.

O. Theobroma, B.P., 8-oz. tabs., 28 lbs. @ 2/2 lb.; 7 lbs. @ 2/4 lb.

O. Wintergreen, Artificial, 5 lbs. @ 7/6 lb.; 1 lb. @ 8/- lb.

Oplum., B.P., 14 lbs. @ 40/- lb.; 3 lbs. @ 41/- lb.; 1 lb. @ 42/- lb.; powder, 6d. lbs. extra.

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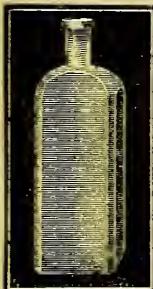
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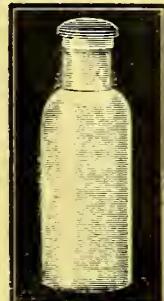
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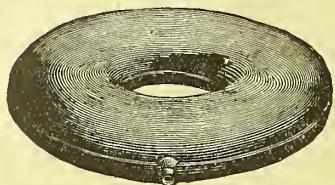


Fig. 1194.

BRITISH
MAKE.



Fig. 1354.

Fig. 1194.—The "EMPIRE," red India-rubber Air Cushion—

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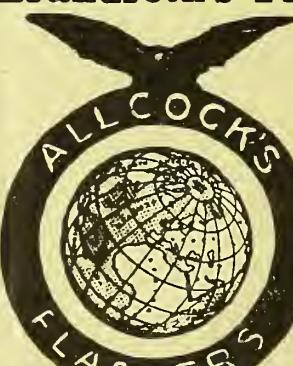
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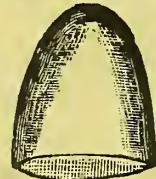
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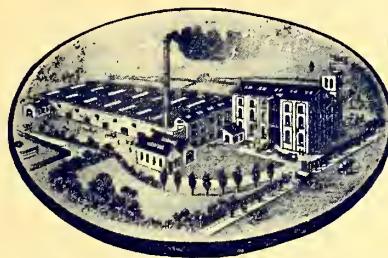
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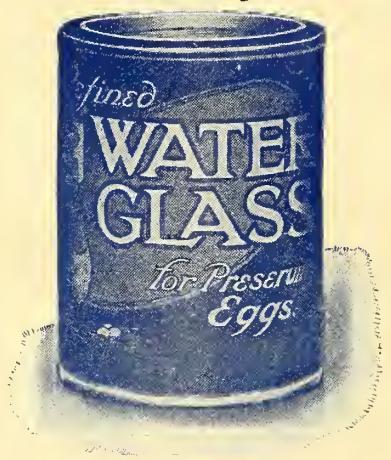
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